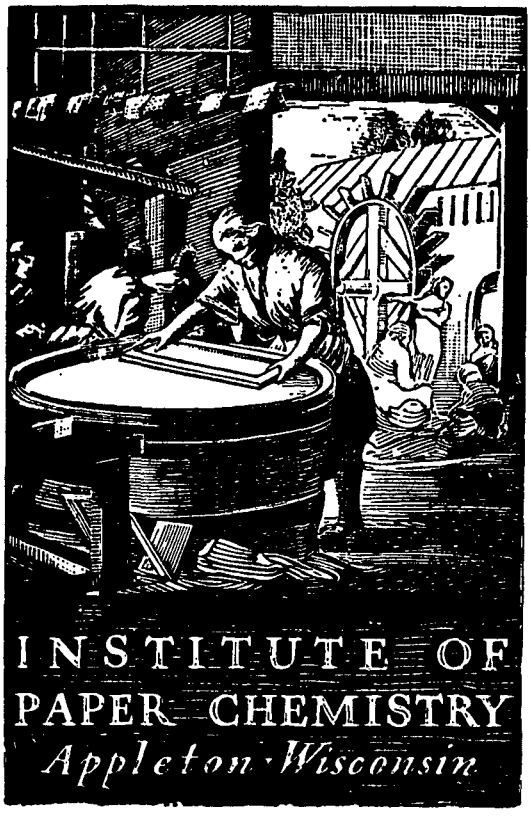


BASE-LINE

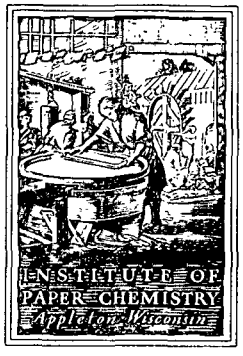
3rd Quarter, 1982

CONTINUOUS BASE-LINE STUDY (MODIFIED) (MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1982)

Project 2694-1

Report Eighty-Five
A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
OF THE
AMERICAN PAPER INSTITUTE

December 1, 1982



THE INSTITUTE OF PAPER CHEMISTRY
Post Office Box 1039
Appleton, Wisconsin 54912
Phone: 414/734-9251

December 1, 1982

Project 2694-1

Dear Sir:

We are enclosing a copy of the following report to the Fourdrinier Kraft Board Group of the American Paper Institute:

Report Eighty-Five, Project 2694-1, a progress report entitled, "Continuous Baseline Study (Modified); Mill Linerboard Data for July, August, September, 1982" dated December 1, 1982

The code identities for paper machines in your company from which data were submitted for evaluation are given on the inside of the front cover of this report.

Sincerely,

Roger H. Van Eperen
Manager, Materials Testing Laboratory
Paper Materials & Systems Division

RHV/sb
Enclosure

GEORGIA-PACIFIC CORPORATION

Your machine is identified in this report by the following code.

Toledo Machine #1 D3

BASE-LINE
3rd QUARTER, 1982

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1982)

Project 2694-1

Report Eighty-Five

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

December 1, 1982

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1982)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA (JUNE-SEPTEMBER, 1982)

Linerboard Grade Wt.		Moisture Content			
		June	July	August	September
26 Lb	Max.[a]	6.4	6.2	6.7	6.3
	Min.[a]	3.2	3.4	3.3	3.3
	Av.[b]	5.1(15)	4.8(16)	4.9(16)	5.0(16)
33 Lb	Max.[a]	6.6	6.4	6.4	6.4
	Min.[a]	2.1	2.3	2.3	2.1
	Av.[b]	5.0(26)	4.9(23)	5.1(26)	5.0(28)
38 Lb	Max.[a]	6.2	6.2	6.2	6.4
	Min.[a]	4.6	4.7	3.9	4.8
	Av.[b]	5.5(21)	5.5(17)	5.3(23)	5.5(19)
42 Lb	Max.[a]	6.8	6.7	6.8	6.8
	Min.[a]	4.5	4.5	4.3	3.9
	Av.[b]	5.7(41)	5.6(34)	5.6(38)	5.6(39)
69 Lb	Max.[a]	7.3	7.7	7.6	7.6
	Min.[a]	4.9	5.2	4.7	4.8
	Av.[b]	6.2(26)	6.3(22)	6.3(25)	6.3(24)
90 Lb	Max.[a]	7.5	7.0	7.2	7.3
	Min.[a]	5.3	5.5	5.9	6.0
	Av.[b]	6.3(14)	6.3(10)	6.6(9)	6.6(11)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (JUNE-SEPTEMBER, 1982)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft^2			
		June	July	August	September
26 Lb	Max.[a]	27.1	28.1	27.3	27.6
	Min.[a]	26.1	25.6	25.6	25.8
	Av.[b]	26.6(15)	26.6(16)	26.4(16)	26.6(16)
33 Lb	Max.[a]	34.5	34.6	34.5	35.2
	Min.[a]	32.5	32.6	32.6	32.5
	Av.[b]	33.4(26)	33.4(23)	33.4(26)	33.4(28)
38 Lb	Max.[a]	39.9	38.8	39.6	38.8
	Min.[a]	38.0	38.1	37.4	37.5
	Av.[b]	38.5(21)	38.4(17)	38.5(23)	38.4(19)
42 Lb	Max.[a]	43.2	43.2	43.2	43.1
	Min.[a]	41.6	41.3	41.6	41.5
	Av.[b]	42.4(41)	42.4(34)	42.4(38)	42.3(39)
69 Lb	Max.[a]	70.9	71.3	71.0	71.1
	Min.[a]	68.1	68.4	67.7	68.3
	Av.[b]	69.4(26)	69.4(22)	69.4(25)	69.4(24)
90 Lb	Max.[a]	91.7	91.2	92.0	91.9
	Min.[a]	88.0	89.1	89.9	90.2
	Av.[b]	90.5(14)	90.4(10)	90.7(9)	90.8(11)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA (JUNE-SEPTEMBER, 1982)

Linerboard Grade Wt.		Caliper, pt. June	July	August	September
26 Lb	Max.[a]	8.4	9.0	9.1	8.6
	Min.[a]	7.3	7.2	7.2	7.0
	Av.[b]	8.0(15)	8.0(16)	7.8(16)	7.8(16)
33 Lb	Max.[a]	10.9	11.1	11.4	12.1
	Min.[a]	8.3	9.0	9.0	8.5
	Av.[b]	9.7(26)	9.8(22)	9.8(25)	9.9(27)
38 Lb	Max.[a]	11.4	11.5	12.0	11.7
	Min.[a]	10.1	10.2	10.1	10.1
	Av.[b]	10.8(19)	10.9(16)	10.9(22)	10.9(18)
42 Lb	Max.[a]	13.1	13.2	13.3	13.5
	Min.[a]	10.9	10.8	10.5	10.6
	Av.[b]	11.9(40)	12.0(33)	11.9(37)	12.0(38)
69 Lb	Max.[a]	21.5	21.8	22.3	21.7
	Min.[a]	17.7	16.8	17.7	17.6
	Av.[b]	19.5(25)	19.5(22)	19.8(25)	19.6(23)
90 Lb	Max.[a]	28.8	27.7	28.2	28.0
	Min.[a]	23.1	22.7	23.5	23.3
	Av.[b]	25.7(13)	25.5(10)	25.6(9)	25.6(11)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA (JUNE-SEPTEMBER, 1982)

Linerboard Grade Wt.		Bursting Strength, psig			
		June	July	August	September
26 Lb	Max.[a]	77	82	86	83
	Min.[a]	65	64	63	61
	Av.[b]	72(15)	72(16)	71(16)	70(16)
33 Lb	Max.[a]	97	106	96	102
	Min.[a]	79	78	77	76
	Av.[b]	87(26)	85(23)	85(26)	86(28)
38 Lb	Max.[a]	106	110	112	109
	Min.[a]	90	90	90	88
	Av.[b]	98(21)	99(17)	99(23)	99(19)
42 Lb	Max.[a]	121	119	118	118
	Min.[a]	98	99	99	98
	Av.[b]	106(41)	106(34)	106(38)	106(39)
69 Lb	Max.[a]	157	153	167	163
	Min.[a]	137	135	132	134
	Av.[b]	144(26)	142(22)	142(25)	142(24)
90 Lb	Max.[a]	187	182	186	189
	Min.[a]	157	157	157	157
	Av.[b]	174(14)	175(10)	171(9)	171(11)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART V: SUMMARY OF CD RING CRUSH DATA
(JUNE-SEPTEMBER, 1982)

Linerboard Grade Wt.		CD Ring Crush, lb			
		June	July	August	September
26 Lb	Max.[a]	45.0	45.0	43.0	43.0
	Min.[a]	31.0	28.0	31.8	29.6
	Av.[b]	37.8	35.4(9)	37.2(11)	36.1(10)
33 Lb	Max.[a]	57.0	60.0	70.1	57.0
	Min.[a]	41.0	38.0	38.0	40.0
	Av.[b]	47.6(13)	49.6(11)	49.5(13)	49.7(14)
38 Lb	Max.[a]	84.0	87.0	84.2	77.0
	Min.[a]	46.9	52.0	54.0	47.5
	Av.[b]	63.6(14)	62.9(10)	65.2(15)	62.7(14)
42 Lb	Max.[a]	97.0	98.0	104.0	90.0
	Min.[a]	50.0	56.0	57.0	48.7
	Av.[b]	70.6(23)	70.0(18)	73.1(24)	71.1(23)
69 Lb	Max.[a]	156.0	140.0	143.0	149.0
	Min.[a]	90.0	96.0	98.0	94.0
	Av.[b]	117.9(15)	116.3(13)	120.4(14)	118.8(13)
90 Lb	Max.[a]	169.0	177.0	180.0	195.0
	Min.[a]	135.0	137.0	134.0	132.0
	Av.[b]	151.4(9)	149.7(7)	157.7(5)	157.9(6)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, bursting strength, and CD ring crush tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages are included in the report. Note that the moisture content at the as-reported basis weight (not shown in Tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, basis weight (reported and adjusted), caliper, bursting strength, and CD ring crush are compiled in the following tables.

Table Number	Description
I-II-III-IV	Mill Test Averages on 26-lb Linerboard
V-VI-VII-VIII	Mill Test Averages on 33-lb Linerboard
IX-X-XI-XII	Mill Test Averages on 38-lb Linerboard
XIII-XIV-XV-XVI	Mill Test Averages on 42-lb Linerboard
XVII-XVIII-XIX-XX	Mill Test Averages on 69-lb Linerboard
XXI-XXII-XXIII-XXIV	Mill Test Averages on 90-lb Linerboard

TABLE I

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.2	5.9	105.1	124.0	26.1	26.0	100.4	100.4	26.2	26.2	100.0	98.9	8.2	7.5	109.3	103.8	64	63	101.6	88.9
G1	5.7			114.0	25.8			99.2	26.4			99.6	9.0			113.9	66			91.7
K1		5.8				26.2				26.4				8.2				76		
L1	3.6	3.3	109.1	72.0	26.6	26.7	99.6	102.3	27.8	28.0	99.3	104.9	7.6	8.0	95.0	96.2	77	75	102.7	106.9
S1		5.4				25.5				26.1				8.3				73		
T1	4.3	4.7	91.5	86.0	26.0	26.4	98.5	100.0	27.0	27.3	98.9	101.9	7.8	7.5	98.7	98.7	71	69	102.9	98.6
U1		3.4				26.0				27.3				7.2				90		
V1	4.4	4.8	91.7	88.0	24.7	25.1	98.4	95.0	25.6	25.9	98.8	96.6	7.7	7.7	100.0	97.5	64	69	92.8	88.9
Y1	4.6	4.2	109.5	92.0	25.4	25.0	101.6	97.7	26.3	26.0	101.2	99.2	8.6	8.5	101.2	108.9	74	76	97.4	102.8
R2		6.0				26.2				26.6				7.5				65		
T2	4.7	4.8	97.9	94.0	26.2	26.2	100.0	100.8	26.3	26.3	100.0	99.2	7.8	8.0	97.5	98.7	81	77	105.2	112.5
U2		1.6				25.0				26.7				8.0				70		
W2		6.3				26.0				26.1				7.5				64		
W2		4.8				25.9				26.7				7.7				77		
X2	5.6	5.7	98.2	112.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.8	7.6	102.6	98.7	69	72	95.8	95.8
A3		6.1				26.7				26.8				7.6				82		
B3	5.3	5.3	100.0	106.0	27.4	26.0	105.4	105.4	28.1	26.8	104.8	106.0	8.7	8.6	101.2	110.1	67	68	98.5	93.0
E3		6.1				28.3				28.4				8.9				91		
K3	4.9	5.5	89.1	98.0	25.6	25.7	99.6	98.5	26.4	26.3	100.4	99.6	7.4	7.6	97.4	93.7	72	76	94.7	100.0
O3	4.1	4.3	95.3	82.0	25.8	25.6	100.8	99.2	26.8	26.6	100.8	101.1	7.2	7.7	93.5	91.1	76	73	104.1	105.6
P3	5.6	5.4	103.7	112.0	26.1	26.0	100.4	100.4	26.2	26.2	100.0	98.9	7.9	7.8	101.3	100.0	69	70	98.6	95.8
F4	4.8	4.6	104.3	95.0	26.6	26.3	101.1	102.3	26.7	26.4	101.1	100.8	7.9	7.6	103.9	100.0	66	67	98.5	91.7
H4		6.2				26.2				26.2				7.8				82		
I4	4.9	5.2	94.2	98.0	26.8	27.2	98.5	103.1	26.9	27.3	98.5	101.5	7.6	8.0	95.0	96.2	76	72	105.6	105.6
K4	5.1	5.1	100.0	102.0	25.8	25.8	100.0	99.2	26.5	26.6	99.6	100.0	8.1	7.9	102.5	102.5	73	71	102.8	101.4
L4		5.1				26.1				26.2				8.0				70		
N4		4.5				25.3				26.2				7.8				68		
Q4		5.3				25.8				26.5				7.6				71		
S4	3.4	3.6	94.4	68.0	26.2	26.2	100.0	100.8	26.3	26.3	100.0	99.2	8.0	8.1	96.8	101.3	82	77	106.5	113.9
T4		5.9				26.2				26.2				7.8				64		
FKBG DATA																				
CUR. AV.	4.8				26.1				26.6				8.0				72			
CUM. AV.	5.0				26.0				26.5				7.9				72			
IND. *D	96.0				100.4				100.4				101.3				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE II

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CLR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.7	5.9	113.6	134.0	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.5	7.8	7.6	102.6	98.7	63	63	100.0	87.5
G1		5.7				25.8				26.4				9.0				66		
K1		5.8				26.2				26.4				8.2				76		
L1	3.3	3.4	97.0	66.0	26.0	26.8	97.0	100.0	27.3	28.1	97.2	103.0	7.8	8.0	97.5	98.7	77	75	102.7	106.9
S1		5.4				25.5				26.1				8.3				73		
T1	4.7	4.5	104.4	94.0	25.2	26.2	100.0	100.8	27.1	27.2	99.6	102.3	7.7	7.8	98.7	97.5	67	70	95.7	93.0
U1		3.4				26.0				27.3				7.2				90		
V1	4.2	4.8	87.5	84.0	24.6	25.1	98.0	94.6	25.6	25.9	98.8	96.6	7.8	7.7	101.3	98.7	65	69	94.2	90.3
Y1	4.4	4.1	107.3	88.0	25.3	25.0	101.2	97.3	26.2	26.1	100.4	98.9	9.1	8.5	107.0	115.2	77	74	104.0	106.9
R2	6.0	6.0	100.0	120.0	26.2	26.2	100.0	100.8	26.7	26.6	100.4	100.8	7.2	7.5	96.0	91.1	67	65	103.1	93.0
T2	4.9	4.8	102.1	98.0	26.1	26.2	99.6	100.4	26.2	26.3	99.6	98.9	7.9	8.0	98.8	100.0	79	77	102.6	109.7
V2		6.3				26.0				26.1				7.5				64		
W2		4.8				25.9				26.7				7.7				77		
X2	5.6	5.7	98.2	112.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.9	7.6	103.9	100.0	70	71	98.6	97.2
A3		6.1				26.7				26.8				7.6				82		
B3	4.9	5.3	92.4	98.0	26.3	26.2	100.4	101.2	27.1	26.9	100.7	102.3	8.3	8.6	96.5	105.1	68	67	101.5	94.4
E3		6.1				28.3				28.4				8.9				91		
K3	5.3	5.4	98.1	106.0	25.6	25.7	99.6	98.5	26.3	26.3	100.0	99.2	7.7	7.6	101.3	97.5	72	76	94.7	100.0
Q3	4.1	4.2	97.6	82.0	25.6	25.6	100.0	98.5	26.6	26.6	100.0	100.4	7.3	7.7	94.8	92.4	72	74	97.3	100.0
P3	5.4	5.4	100.0	108.0	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	7.8	7.8	100.0	98.7	68	71	95.8	94.4
F4	5.2	4.6	113.0	104.0	26.3	26.4	99.6	101.2	26.4	26.5	99.6	99.6	7.5	7.7	97.4	94.9	68	67	101.5	94.4
I4	4.4	5.1	86.3	88.0	26.7	27.2	98.2	102.7	26.8	27.2	98.5	101.1	7.8	7.9	98.7	98.7	72	72	100.0	100.0
K4		5.1				25.8				26.6				7.9				72		
L4		5.1				26.1				26.2				8.0				70		
N4		4.5				25.3				26.2				7.8				68		
Q4		5.3				25.8				26.5				7.6				71		
S4	3.3	3.5	94.3	66.0	26.3	26.2	100.4	101.2	26.4	26.3	100.4	99.6	7.6	8.1	93.8	96.2	86	77	111.7	119.4
T4		6.3				26.3				26.4				7.9				66		
V4	5.6			112.0	26.0			100.0	26.2			98.9	8.5			107.6	63			87.5
FKBG DATA																				
CUR. AV.	4.9				26.0				26.4				7.8				71			
CUM. AV.	5.0				26.0				26.5				7.9				72			
IND. *D	98.0				100.0				99.6				98.7				98.6			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE III

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.0	6.0	100.0	120.0	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.5	7.5	7.7	97.4	94.9	62	64	96.9	87.3
G1		5.7				25.8				26.4				9.0				66		
K1		5.8				26.2				26.4				8.2				76		
L1	3.6	3.3	109.1	72.0	26.4	26.7	98.9	101.5	27.6	28.0	98.6	104.2	7.7	8.0	96.2	97.5	72	75	96.0	101.4
S1		5.4				25.5				26.1				8.3				74		
T1	4.5	4.6	97.8	90.0	26.2	26.2	100.0	100.8	27.1	27.1	100.0	102.3	7.9	7.8	101.3	100.0	67	69	97.1	94.4
U1		3.3				26.1				27.4				7.4				89		
V1	4.8	4.7	102.1	96.0	25.0	25.0	100.0	96.2	25.8	25.9	99.6	97.4	8.1	7.7	105.2	102.5	66	68	97.0	93.0
Y1		4.2				25.0				26.0				8.5				75		
F2	5.9	6.0	98.3	118.0	26.2	26.2	100.0	100.8	26.8	26.6	100.8	101.1	7.0	7.4	94.6	88.6	67	65	103.1	94.4
T2	4.8	4.8	100.0	96.0	26.2	26.2	100.0	100.8	26.3	26.3	100.0	99.2	8.0	8.0	100.0	101.3	82	77	106.5	115.5
V2		6.3				26.0				26.1				7.5				64		
W2		4.8				25.9				26.7				7.7				77		
X2	5.1	5.7	89.5	102.0	25.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.5	7.6	98.7	94.9	68	71	95.8	95.8
A3		6.1				26.7				26.8				7.6				82		
B3	5.3	5.3	100.0	106.0	26.5	26.3	100.8	101.9	27.2	27.0	100.7	102.6	8.4	8.6	97.7	106.3	68	68	100.0	95.8
E3		6.1				28.3				28.4				8.9				91		
K3	6.3	5.5	114.5	126.0	25.7	25.7	100.0	98.8	26.1	26.3	99.2	98.5	7.4	7.6	97.4	93.7	70	75	93.3	98.6
O3	3.9	4.2	92.8	78.0	25.5	25.6	99.6	98.1	26.6	26.6	100.0	100.4	7.5	7.6	98.7	94.9	74	74	100.0	104.2
P3	5.8	5.5	105.4	116.0	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.2	7.9	7.8	101.3	100.0	65	70	92.8	91.5
F4	5.2	4.7	110.6	104.0	26.4	26.4	100.0	101.5	26.5	26.5	100.0	100.0	7.7	7.6	101.3	97.5	66	67	98.5	93.0
I4	4.5	5.0	90.0	90.0	26.7	27.1	98.5	102.7	26.8	27.2	98.5	101.1	7.7	7.9	97.5	97.5	72	72	100.0	101.4
K4	5.0	5.0	100.0	100.0	25.7	25.8	99.6	98.8	26.5	26.6	99.6	100.0	8.2	7.9	103.8	103.8	70	72	97.2	98.6
L4		5.1				26.1				26.2				7.9				68		
M4		4.4				25.4				26.3				7.8				69		
O4		5.3				25.8				26.5				7.6				71		
S4	3.3	3.4	97.0	66.0	26.6	26.2	101.5	102.3	26.7	26.4	101.1	100.8	7.8	8.0	97.5	98.7	83	78	106.4	116.9
I4		6.3				26.3				26.4				7.9				66		
V4	5.4	5.6	96.4	108.0	26.1	26.0	100.4	100.4	26.3	26.2	100.4	99.2	8.6	8.5	101.2	108.9	61	63	96.8	85.9
FKBG DATA																				
CUR. AV.	5.0				26.1				26.6				7.8				70			
CUM. AV.	5.0				26.0				26.5				7.9				71			
IND. *D	100.0				100.4				100.4				98.7				98.6			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1982				AUGUST, 1982				SEPTEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1												
G1												
K1		37.0				37.0				37.0		
L1	41.0	41.0	100.0	112.9	42.0	41.0	102.4	116.3	42.0	41.2	101.9	115.7
S1												
T1												
U1												
V1	28.0	25.0	112.0	77.1	31.8	26.5	120.0	88.1	31.0	28.3	109.5	85.4
Y1	36.0	49.0	73.5	99.2	43.0	42.5	101.2	119.1		42.7		
R2												
T2	41.0	44.3	92.6	112.9	41.0	43.5	94.2	113.6	39.0	43.0	90.7	107.4
U2												
V2												
W2												
X2	28.0	31.0	90.3	77.1	33.0	30.2	109.3	91.4	33.0	30.8	107.1	90.9
A3												
B3	33.0	34.0	97.0	90.9	33.0	33.8	97.6	91.4	30.0	33.6	89.3	82.6
E3		21.0				21.0				21.0		
K3					40.1			111.1	29.6	40.1	73.8	81.5
Q3	32.0	34.7	92.2	88.2	36.0	34.0	105.9	99.7	38.0	34.4	110.5	104.7
P3												
F4												
H4												
I4	34.4	37.2	92.5	94.8	34.5	36.3	95.0	95.6	35.3	35.8	98.6	97.2
K4												
L4												
N4												
Q4												
S4	45.0	36.7	122.6	124.0	42.0	38.8	108.2	116.3	43.0	39.4	109.1	118.4
T4												
V4					32.7			90.6	39.8	32.7	121.7	109.6

FKBG DATA

CUR. AV.	35.4				37.2				36.1			
CUM. AV.	36.3				36.1				36.3			
IND. *D	97.5				103.0				99.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE V

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT *A				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.4	6.2	103.2	130.6	32.9	33.1	99.4	100.9	33.0	33.2	99.4	98.8	10.7	10.2	104.9	109.2	83	84	98.8	96.5
K1		5.4				33.0				33.0				9.8				95		
L1	4.2	3.7	113.5	85.7	32.2	32.1	100.3	98.8	33.5	33.6	99.7	100.3	9.4	9.5	98.9	95.9	84	86	97.7	97.7
M1	2.3	2.7	85.2	46.9	32.6	32.4	100.6	100.0	34.6	34.3	100.9	103.6	10.2	9.0	113.3	104.1	83	86	96.5	96.5
S1		5.3				32.4				33.3				9.8				91		
T1	5.2	5.1	102.0	106.1	32.6	32.6	100.0	100.0	33.5	33.5	100.0	100.3	9.7	9.4	103.2	99.0	81	82	98.8	94.2
U1		4.3				32.6				33.9				8.9				98		
V1	6.9	5.2	94.2	100.0	31.6	31.9	99.0	96.9	32.6	32.8	99.4	97.6	9.8	9.9	99.0	100.0	84	86	97.7	97.7
Y1	5.0	5.2	96.2	102.0	32.4	32.3	100.3	99.4	33.4	33.2	100.6	100.0	11.1	10.8	102.8	113.3	89	90	98.9	103.5
Z1	6.2	6.0	103.3	126.5	33.2	33.1	100.3	101.6	33.3	33.2	100.3	99.7					83	83	100.0	96.5
C2		5.0				32.6				33.6				9.4				84		
R2	5.7	5.9	96.6	116.3	33.1	32.9	100.6	101.5	33.9	33.6	100.9	101.5	9.3	9.4	98.9	94.9	78	79	98.7	90.7
S2		2.4				32.3				34.2				10.3				84		
T2	5.0	5.0	100.0	102.0	33.1	33.2	99.7	101.5	33.2	33.3	99.7	99.4	10.3	9.9	104.0	105.1	92	92	100.0	107.0
U2		2.2				31.9				33.8				9.6				86		
V2		6.5				33.0				33.1				9.3				87		
W2	4.5	4.4	102.3	91.8	32.1	32.2	99.7	98.5	33.3	33.4	99.7	99.7	9.5	9.1	104.4	96.9	106	96	110.4	123.2
X2	6.1	6.1	100.0	124.5	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.5	9.4	101.1	96.9	83	85	97.6	96.5
Y2	5.0	5.7	87.7	102.0	32.4	32.4	100.0	99.4	33.4	33.2	100.6	100.0	9.5	9.4	101.1	96.9	92	90	102.2	107.0
Z2	2.3	2.3	100.0	46.9	32.3	32.1	100.6	99.1	34.2	34.1	100.3	102.4	10.5	9.9	106.1	107.1	86	83	101.2	97.7
B3	5.3	5.6	98.1	108.2	32.3	32.6	99.7	99.1	33.2	33.2	100.0	99.4	10.1	10.4	97.1	103.1	80	79	101.3	93.0
D3	4.1	3.6	113.9	83.7	32.8	32.8	100.0	100.6	33.1	33.1	100.0	99.1	10.2	10.1	101.0	104.1	80	81	98.8	93.0
K3	5.5	5.9	93.2	112.2	32.5	32.7	99.4	99.7	33.3	33.4	99.7	99.7	9.5	10.0	95.0	96.9	85	91	93.4	98.8
G3	4.5	4.7	95.7	91.8	32.8	32.4	101.2	100.6	34.0	33.5	101.5	101.8	9.1	9.7	93.8	92.8	89	89	100.0	103.5
P3	6.0	5.7	105.3	122.4	33.0	33.2	99.4	101.2	33.2	33.4	99.4	99.4	9.8	9.9	99.0	100.0	80	84	95.2	93.0
F4	5.2	5.0	104.0	106.1	33.4	33.2	100.6	102.4	33.5	33.3	100.6	100.3	9.7	9.8	99.0	99.0	80	80	100.0	93.0
J4	5.1	5.2	98.1	104.1	33.4	33.4	100.0	102.4	33.5	33.5	100.0	100.3	9.0	9.4	95.7	91.8	87	85	97.8	101.2
K4	5.3	5.2	101.9	108.2	32.5	32.6	99.7	99.7	33.4	33.6	99.4	100.0	10.2	9.9	103.0	104.1	83	80	103.8	96.5
L4	5.1	5.5	92.7	104.1	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.2	9.8	93.9	93.9	85	86	98.8	98.8
N4	4.7	5.3	88.7	95.9	33.0	32.4	101.8	101.2	34.1	33.2	102.7	102.1	10.3	9.9	104.0	105.1	84	82	102.4	97.7
P4		4.3				32.3				33.5				9.4				96		
J4		5.4				32.5				33.3				9.6				87		
S4		5.3				33.1				33.2				10.4				88		
T4		6.2				33.0				33.1				9.2				87		
FKBG DATA																				
CUR. AV.	4.9				32.7				33.4				9.8				85			
CUM. AV.	4.9				32.6				33.4				9.8				86			
IND. *D	100.0				100.3				100.0				100.0				98.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.4	6.3	101.6	130.6	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	10.2	10.3	99.0	104.1	84	84	100.0	97.7
K1		5.4				33.0				33.0				9.8				95		
L1	4.0	3.7	108.1	81.6	32.2	32.1	100.3	98.8	33.5	33.6	99.7	100.3	9.6	9.5	101.0	98.0	83	85	97.6	96.5
M1	2.3	2.6	88.5	46.9	32.1	32.5	98.8	98.5	34.0	34.3	99.1	101.8	9.7	9.2	105.4	99.0	90	86	104.6	104.6
S1		5.3				32.4				33.3				9.8				91		
T1	5.1	5.1	100.0	104.1	32.7	32.6	100.3	100.3	33.6	33.5	100.3	100.6	9.3	9.4	98.9	94.9	82	82	100.0	95.3
U1		4.2				32.6				33.9				9.0				98		
V1	5.5	5.2	105.8	112.2	31.8	31.9	99.7	97.5	32.6	32.8	99.4	97.6	9.7	9.9	98.0	99.0	84	85	98.8	97.7
Y1	5.2	5.1	102.0	106.1	32.1	32.3	99.4	98.5	33.0	33.2	99.4	98.8	11.4	10.8	105.6	116.3	86	90	95.6	100.0
Z1	5.7	6.0	95.0	116.3	33.3	33.1	100.6	102.1	33.4	33.2	100.6	100.0					81	83	97.6	94.2
R2	6.0	5.9	101.7	122.4	33.0	32.9	100.3	101.2	33.7	33.6	100.3	100.9	9.1	9.3	97.8	92.6	82	79	103.8	95.3
S2		2.4				32.2				34.1				10.3				84		
T2	4.9	5.0	98.0	100.0	33.1	33.2	99.7	101.5	33.2	33.3	99.7	99.4	10.2	10.0	102.0	104.1	94	92	102.2	109.3
V2		6.5				33.0				33.1				9.3				87		
W2		4.4				32.2				33.4				9.3				96		
X2	6.1	6.1	100.0	124.5	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.6	9.4	102.1	98.0	82	84	97.6	95.3
Y2	5.4	5.6	96.4	110.2	32.3	32.4	99.7	99.1	33.1	33.2	99.7	99.1	9.4	9.4	100.0	95.5	85	91	93.4	98.8
Z2	2.5	2.3	108.7	51.0	32.4	32.2	100.6	99.4	34.2	34.1	100.3	102.4	10.8	9.9	109.1	110.2	84	83	101.2	97.7
B3	5.3	5.4	98.1	108.2	32.6	32.4	100.6	100.0	33.5	33.2	100.9	100.3	10.8	10.3	104.8	110.2	78	79	98.7	90.7
D3	4.1	3.6	113.9	83.7	32.7	32.8	99.7	100.3	33.0	33.1	99.7	98.8	10.3	10.1	102.0	105.1	79	81	97.5	91.9
H3	6.0			122.4	33.8			103.7	34.5			103.3	9.9			101.0	84			97.7
K3	5.2	5.8	89.6	106.1	32.5	32.7	99.4	99.7	33.4	33.4	100.0	100.0	9.3	9.5	93.9	94.9	84	89	94.4	97.7
O3	4.5	4.6	97.8	91.8	32.5	32.5	100.0	99.7	33.7	33.6	100.3	100.9	9.2	9.6	95.8	93.9	91	90	101.1	105.8
P3	5.8	5.7	101.8	118.4	33.0	33.1	99.7	101.2	33.2	33.3	99.7	99.4	9.8	9.9	99.0	100.0	82	84	97.6	95.3
F4	5.7	5.0	114.0	116.3	33.3	33.2	100.3	102.1	33.4	33.3	100.3	100.0	9.7	9.8	99.0	99.0	81	80	101.2	96.2
I4	5.3	5.1	103.9	108.2	33.0	33.4	98.8	101.2	33.1	33.5	98.8	99.1	9.0	9.4	95.7	91.8	88	88	100.0	102.3
K4	5.2	5.2	100.0	106.1	32.5	32.6	99.7	99.7	33.4	33.6	99.4	100.0	10.4	10.0	104.0	106.1	83	80	103.8	96.5
L4	5.3	5.5	96.4	108.2	33.1	33.0	100.3	101.5	33.2	33.1	100.3	99.4	9.5	9.7	97.9	96.9	84	85	98.8	97.7
N4	5.0	5.3	94.3	102.0	32.3	32.4	99.7	99.1	33.3	33.3	100.0	99.7	9.7	10.0	97.0	99.0	81	82	98.8	94.2
P4	5.0	4.3	116.3	102.0	32.5	32.3	100.6	99.7	33.5	33.5	100.0	100.3	9.3	9.4	98.9	94.9	96	96	100.0	111.6
Q4	4.8	5.4	88.9	98.0	32.2	32.5	99.1	98.8	33.3	33.3	100.0	99.7	9.5	9.6	99.0	96.9	95	87	109.2	110.5
S4		5.3				33.1				33.2				10.4				88		
T4		6.2				33.0				33.1				9.2				87		
V4	5.6	0		114.3	33.1			101.5	33.4			100.0	10.6			108.2	77			89.5

FKBG DATA																
CUR. AV.	5.1				32.7				33.4				9.8				85			
CUM. AV.	4.9				32.6				33.4				9.8				86			
IND. *D	104.1				100.3				100.0				100.0				98.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT *A				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1	6.3	6.3	100.0	126.0	32.9	33.0	99.7	100.9	33.0	33.1	99.7	98.8	9.9	10.3	96.1	101.0	83	84	98.8	96.5
K1		5.4				33.0				33.0				9.8				95		
L1	3.9	3.8	102.6	78.0	32.1	32.2	99.7	98.5	33.4	33.5	99.7	100.0	9.1	9.6	94.8	92.8	84	85	98.8	97.7
M1	2.1	2.8	80.8	42.0	32.1	32.4	99.1	98.5	34.1	34.2	99.7	102.1	9.7	9.2	105.4	99.0	88	86	102.3	102.3
S1		5.3				32.5				33.3				9.7				92		
T1	5.1	5.1	100.0	102.0	32.6	32.6	100.0	100.0	33.5	33.6	99.7	100.3	9.5	9.4	101.1	96.9	79	82	96.3	91.9
U1	4.0	4.2	95.2	80.0	32.7	32.6	100.3	100.3	34.0	33.9	100.3	101.8	9.4	9.0	104.4	95.9	102	98	104.1	118.6
V1	5.4	5.2	103.8	108.0	31.7	31.9	99.4	97.2	32.5	32.8	99.1	97.3	10.6	9.9	107.1	108.2	84	85	98.8	97.7
Y1	5.5	5.1	107.8	110.0	31.9	32.2	99.1	97.8	32.7	33.2	98.5	97.9	12.1	10.8	112.0	123.5	87	89	97.8	101.2
Z1	6.1	6.0	101.7	122.0	33.1	33.1	100.0	101.5	33.2	33.2	100.0	99.4					83	83	100.0	96.5
R2	6.0	5.9	101.7	120.0	32.9	32.9	100.0	100.9	33.6	33.6	100.0	100.6	9.3	9.3	100.0	94.9	81	79	102.5	94.2
S2	3.2	2.4	133.3	64.0	31.9	32.2	99.1	97.8	33.5	34.1	98.2	100.3	11.2	10.2	109.8	114.3	88	84	104.8	102.3
T2	5.1	5.0	102.0	102.0	33.1	33.2	99.7	101.5	33.2	33.3	99.7	99.4	10.1	10.0	101.0	103.1	98	92	106.5	114.0
V2		6.5				33.0				33.1				9.3				87		
W2	4.8	4.4	109.1	96.0	33.0	32.2	102.5	101.2	34.1	33.4	102.1	102.1	10.2	9.3	109.7	104.1	98	96	102.1	114.0
X2		6.1				33.0				33.1				9.5				84		
Y2	5.6	5.6	100.0	112.0	32.4	32.4	100.0	99.4	33.2	33.2	100.0	99.4	9.3	9.4	98.9	94.9	89	91	97.8	103.5
Z2	2.6	2.3	113.0	52.0	32.3	32.1	100.6	99.1	34.1	34.1	100.0	102.1	10.5	10.0	105.0	107.1	84	83	101.2	97.7
B3	5.5	5.3	103.8	110.0	32.4	32.4	100.0	99.4	33.2	33.2	100.0	99.4	10.2	10.4	98.1	104.1	78	79	98.7	90.7
D3	4.6	3.7	124.3	92.0	32.5	32.8	99.1	99.7	32.8	33.1	99.1	98.2	9.8	10.1	97.0	100.0	79	81	97.5	91.9
H3	5.6	6.0	93.3	112.0	34.4	33.8	101.8	105.5	35.2	34.5	102.0	105.4	9.7	9.9	98.0	99.0	87	84	103.6	101.2
K3	6.0	5.8	103.4	120.0	32.5	32.5	100.0	99.7	33.2	33.3	99.7	99.4	9.3	9.9	93.9	94.9	88	88	100.0	102.3
O3	4.5	4.6	97.8	90.0	32.6	32.5	100.3	100.0	33.8	33.6	100.6	101.2	9.4	9.5	98.9	95.9	89	90	98.9	103.5
P3	6.0	5.8	103.4	120.0	33.0	33.1	99.7	101.2	33.2	33.3	99.7	99.4	9.5	9.8	96.9	96.9	77	84	91.7	89.5
F4	5.6	5.1	109.8	112.0	33.4	33.2	100.6	102.4	33.5	33.3	100.6	100.3	9.8	9.8	100.0	100.0	80	81	98.8	93.0
I4	4.5	5.1	88.2	90.0	33.2	33.3	99.7	101.8	33.3	33.4	99.7	99.7	8.9	9.4	94.7	90.8	86	88	97.7	100.0
K4	4.9	5.2	94.2	98.0	32.5	32.6	99.7	99.7	33.5	33.5	100.0	100.3	10.0	10.0	100.0	102.0	83	80	103.8	96.5
L4	5.4	5.4	100.0	108.0	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.8	9.6	102.1	100.0	87	85	102.4	101.2
N4	5.4	5.3	101.9	108.0	32.3	32.4	99.7	99.1	33.1	33.3	99.4	99.1	9.8	10.0	98.0	100.0	85	82	103.6	98.8
P4		4.6				32.4				33.5				9.4				96		
Q4	6.4	5.3	120.8	128.0	33.1	32.4	102.2	101.5	33.6	33.3	100.9	100.6	10.0	9.6	104.2	102.0	89	89	100.0	103.5
S4		5.0				33.3				33.4				10.4				90		
T4	5.5	6.2	88.7	110.0	33.1	33.0	100.3	101.5	33.2	33.1	100.3	99.4	8.5	9.3	91.4	86.7	83	87	95.4	96.5
V4	5.8	5.6	103.6	116.0	33.1	33.1	100.0	101.5	33.4	33.4	100.0	100.0	10.9	10.6	102.8	111.2	76	77	98.7	88.4
FKBG DATA																				
CUR. AV.	5.0				32.7				33.4				9.9				86			
CUM. AV.	5.0				32.6				33.4				9.8				86			
IND. *D	100.0				100.3				100.0				101.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1982				AUGUST, 1982				SEPTEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1												
K1		53.0				53.0				53.0		
L1	56.0	50.0	112.0	115.0	51.0	51.5	99.0	104.3	56.0	51.4	108.9	114.3
M1												
S1												
T1												
U1		50.7				50.7			57.0	50.7	112.4	116.3
V1	52.5	46.8	112.2	107.8	47.9	48.7	98.4	98.0	44.9	48.5	92.6	91.6
Y1	59.0	55.0	107.3	121.1	46.0	56.0	82.1	94.1	55.0	54.0	101.8	112.2
Z1		55.0			51.0	55.0	92.7	104.3	57.0	53.7	106.1	116.3
C2												
R2												
S2												
T2	54.0	56.7	95.2	110.9	54.0	56.0	96.4	110.4	54.0	55.6	97.1	110.2
U2												
V2												
W2	60.0			123.2		60.0			50.0	60.0	83.3	102.0
X2	40.0	41.3	56.8	82.1	46.0	41.0	112.2	94.1		42.0		
Y2												
Z2												
B3	42.0	37.7	111.4	86.2	38.0	38.8	97.9	77.7	40.0	38.6	103.6	81.6
D3	38.0	41.7	91.1	78.0	40.0	40.8	98.0	81.8	41.0	40.6	101.0	83.7
H3												
K3									48.0			98.0
O3	47.0	51.0	92.2	96.5	54.0	50.0	108.0	110.4	55.0	50.8	108.3	112.2
P3												
F4												
I4	52.8	49.6	106.4	108.4	48.0	50.7	94.7	98.2	49.4	50.0	98.8	100.8
K4												
L4	44.0	44.0	100.0	90.3	42.0	44.0	95.4	85.9	42.0	43.5	96.6	85.7
N4												
P4					70.1			143.4		70.1		
Q4												
S4		51.0				51.0				51.0		
T4												
V4					56.0			114.5	47.1	56.0	84.1	96.1

FKBG DATA

CUR. AV.	49.6	49.5	49.7
CUM. AV.	48.7	48.9	49.0
IND. *D	101.8	101.2	101.4

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
			MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
K1		5.7				38.1				38.2				11.8				105		
L1	4.7	4.8	97.9	87.0	37.5	37.3	100.5	99.2	38.8	38.5	100.8	101.0	10.2	10.0	102.0	94.4	97	96	103.2	99.0
M1		4.2				37.7				39.2				10.7				98		
O1		4.8				37.7				38.9				11.5				113		
Q1	5.6	5.6	100.0	103.7	37.6	37.4	100.5	99.5	38.5	38.3	100.5	100.3	10.8	10.8	100.0	100.0	97	93	104.3	99.0
S1		5.4				37.0				38.0				11.3				100		
T1	5.5			101.8	37.5			99.2	38.4			100.0	10.6			98.1	90			91.8
U1		5.5				37.7				38.6				10.3				103		
V1		5.8				37.1				37.9				11.8				97		
Y1	6.1	6.0	101.7	113.0	37.7	37.4	100.8	99.7	38.4	38.1	100.8	100.0	11.5	10.9	105.5	106.5	110	102	107.8	112.2
Z1	6.2	6.0	103.3	114.8	38.5	38.1	101.0	101.8	38.6	38.2	101.0	100.5					96	92	104.3	98.0
A2		5.7				38.2				38.5				11.1				97		
C2		5.5				37.6				38.5				10.3				102		
Q2		5.0				37.4				38.6				10.4				100		
S2		4.7				37.6				39.0				12.0				96		
T2	5.3	5.2	101.9	98.1	38.1	38.2	99.7	100.8	38.2	38.4	99.5	99.5	11.4	11.1	102.7	105.6	104	101	103.0	106.1
W2	5.1	4.7	108.5	94.4	37.2	37.2	100.0	98.4	38.3	38.5	99.5	99.7	11.0	10.3	106.8	101.8	109	108	100.9	111.2
X2	5.9	6.3	93.6	109.2	38.0	37.9	100.3	100.5	38.1	38.0	100.3	99.2	10.9	10.6	102.8	100.9	94	95	98.9	95.9
Z2		4.6				37.3				38.6								96		
A3		5.5				38.7				38.8				10.8				97		
I3		4.8				38.3				39.6				10.1				96		
O3	4.8	5.2	92.3	88.9	37.4	37.4	100.0	98.9	38.6	38.5	100.2	100.5	10.7	11.2	95.5	99.1	102	99	103.0	104.1
P3	6.1	6.0	101.7	113.0	38.2	38.0	100.5	101.8	38.4	38.2	100.5	100.0	11.5	11.2	102.7	106.5	95	95	100.0	96.9
F4	5.4	5.4	100.0	100.0	38.6	38.4	100.5	102.1	38.7	38.5	100.5	100.8	10.6	10.7	99.1	98.1	94	94	100.0	95.9
I4	6.0	5.5	109.1	111.1	38.5	38.4	100.3	101.8	38.6	38.6	100.0	100.5	10.2	10.4	98.1	94.4	99	98	101.0	101.0
K4	5.3	5.3	100.0	98.1	37.4	37.6	99.5	98.9	38.4	38.6	99.5	100.0	11.4	11.2	101.8	105.6	92	91	101.1	93.9
L4	5.9	5.9	100.0	109.2	38.0	38.1	99.7	100.5	38.1	38.2	99.7	99.2	10.5	10.8	97.2	97.2	95	95	100.0	96.9
N4		5.5				37.3				38.2				11.0				97		
P4	5.4	5.2	103.8	100.0	37.4	37.7	99.2	98.9	38.4	38.7	99.2	100.0	10.6	10.5	101.0	98.1	102	100	102.0	104.1
Q4	5.4	5.3	101.9	100.0	37.3	37.4	99.7	98.7	38.3	38.4	99.7	99.7	11.1	11.1	100.0	102.8	104	98	106.1	106.1
R4		5.5				38.7				38.8				10.6				95		
S4	5.3	5.6	94.6	98.1	38.3	38.1	100.5	101.3	38.4	38.2	100.5	100.0	11.3	11.3	100.0	104.6	108	101	106.9	110.2

FKBG DATA

CUR. AV.	5.5				37.8				38.4				10.9				99			
CUM. AV.	5.4				37.8				38.4				10.8				98			
IND. *D	101.8				100.0				100.0				100.9				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE X

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
K1		5.7				38.0				38.1				11.7				105		
L1	5.2	4.8	108.3	96.3	37.4	37.3	100.3	98.9	38.4	38.5	99.7	100.0	10.2	10.0	102.0	94.4	90	94	95.7	91.8
M1	4.0	4.2	95.2	74.1	37.8	37.7	100.3	100.0	39.3	39.2	100.2	102.3	10.9	10.7	101.9	100.9	99	98	101.0	101.0
O1		4.8				37.7				38.9				11.5				113		
G1	5.4	5.6	96.4	100.0	38.1	37.4	101.9	100.8	39.1	38.3	102.1	101.8	10.6	10.8	98.1	98.1	98	94	104.2	100.0
S1		5.4				37.0				38.0				11.3				100		
T1	5.0	5.5	90.9	92.6	37.6	37.5	100.3	99.5	38.7	38.4	100.8	100.8	10.8	10.6	101.9	100.0	91	90	101.1	92.8
U1	5.5	5.5	100.0	101.8	37.6	37.7	99.7	99.5	38.5	38.6	99.7	100.3	10.6	10.3	102.9	98.1	112	103	108.7	114.3
V1	5.4	5.6	96.4	100.0	36.5	36.8	99.2	96.6	37.4	37.7	99.2	97.4	11.5	11.7	98.3	106.5	98	98	100.0	100.0
Y1	6.2	6.0	103.3	114.8	37.5	37.4	100.3	99.2	38.1	38.2	99.7	99.2	11.4	10.9	104.6	105.6	92	103	89.3	93.9
Z1	5.5	6.1	96.7	109.2	38.3	38.1	100.5	101.3	38.4	38.2	100.5	100.0					91	92	98.9	92.8
A2	5.5	5.7	96.5	101.8	38.2	38.2	100.0	101.0	38.5	38.5	100.0	100.3	10.6	11.2	94.6	98.1	94	97	96.9	95.9
Q2		5.0				37.4				38.6				10.4				101		
S2		4.7				37.6				39.0				12.0				96		
T2	5.2	5.2	100.0	96.3	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.6	11.1	104.5	107.4	103	101	102.0	105.1
W2	4.8	4.7	102.1	88.9	37.1	37.2	99.7	98.1	38.3	38.5	99.5	99.7	10.4	10.4	100.0	96.3	108	108	100.0	110.2
X2		6.2				38.0				38.0				10.7				95		
Z2	3.9	4.6	84.8	72.2	38.0	37.3	101.9	100.5	39.6	38.6	102.6	103.1	12.0			111.1	100	96	104.2	102.0
A3	5.8	5.5	105.4	107.4	38.2	38.7	98.7	101.0	38.3	38.8	98.7	99.7	10.5	10.8	97.2	97.2	101	97	104.1	103.1
H3	5.7			105.6	37.9			100.3	38.8			101.0	11.1			102.8	97			95.0
I3		4.8				38.3				39.6				10.1				96		
O3	5.0	5.1	98.0	92.6	37.5	37.4	100.3	99.2	38.6	38.5	100.2	100.5	10.8	11.2	96.4	100.0	102	100	102.0	104.1
P3	5.8	6.1	95.1	107.4	38.0	38.0	100.0	100.5	38.2	38.2	100.0	99.5	11.0	11.2	98.2	101.8	98	96	102.1	100.0
F4	5.8	5.8	107.4	107.4	38.3	38.4	99.7	101.3	38.4	38.5	99.7	100.0	10.6	10.7	99.1	98.1	98	94	104.2	100.0
I4	5.7	5.6	101.8	105.6	38.3	38.4	99.7	101.3	38.4	38.6	99.5	100.0	10.1	10.4	97.1	93.5	102	98	104.1	104.1
K4	5.3	5.3	100.0	98.1	37.5	37.6	99.7	99.2	38.5	38.6	99.7	100.3	11.3	11.2	100.9	104.6	92	91	101.1	93.9
L4	5.9	5.9	100.0	109.2	38.1	38.1	100.0	100.8	38.2	38.2	100.0	99.5	10.6	10.8	98.1	98.1	93	95	97.9	94.9
N4		5.5				37.3				38.2				11.0				97		
P4	5.4	5.2	103.8	100.0	37.5	37.6	99.7	99.2	38.5	38.7	99.5	100.3	11.0	10.5	104.8	101.8	102	100	102.0	104.1
S4	4.8	5.3	90.6	88.9	37.2	37.4	99.5	98.4	38.4	38.4	100.0	100.0	11.1	11.1	100.0	102.8	108	98	110.2	110.2
R4		5.5				38.7				38.8				10.6				95		
S4	4.1	5.6	73.2	75.9	38.2	38.1	100.3	101.0	38.3	38.2	100.3	99.7	11.0	11.3	97.3	101.8	109	102	106.9	111.2
FKBG DATA																				
CUR. AV.	5.3				37.8				38.5				10.9				99			
CUM. AV.	5.4				37.8				38.4				10.8				98			
IND. *D	98.1				100.0				100.3				100.9				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1982

CODE	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
K1		5.7				37.9				38.0				11.6				106		
L1	4.8	4.8	100.0	88.9	37.6	37.3	100.8	99.5	38.2	38.5	100.8	101.0	10.4	10.1	103.0	96.3	95	94	101.1	96.9
M1		4.1				38.0				39.4				10.6				98		
O1		4.8				37.7				38.9				11.5				113		
Q1	5.3	5.6	94.6	98.1	37.6	37.5	100.3	99.5	38.6	38.4	100.5	100.5	11.4	10.7	106.5	105.6	98	94	104.2	100.0
S1		5.3				37.0				38.0				11.2				101		
T1	5.6	5.2	107.7	103.7	37.7	37.6	100.3	99.7	38.6	38.6	100.0	100.5	10.8	10.7	100.9	100.0	88	90	97.8	85.8
U1	5.3	5.5	96.4	98.1	37.4	37.7	99.2	98.9	38.4	38.6	99.5	100.0	10.9	10.4	104.8	100.9	108	103	104.8	110.2
V1	5.7	5.6	101.8	105.6	36.7	36.7	100.0	97.1	37.5	37.6	99.7	97.6	11.7	11.6	100.9	108.3	98	98	100.0	100.0
Y1		6.0				37.5				38.2				10.9				102		
Z1	6.0	6.1	98.4	111.1	38.3	38.1	100.5	101.3	38.4	38.2	100.5	100.0					92	92	100.0	93.9
A2	5.7	5.7	100.0	105.6	38.2	38.2	100.0	101.0	38.5	38.5	100.0	100.3	11.7	11.0	106.4	108.3	92	97	94.8	93.9
W2		5.0				37.5				38.6				10.4				101		
S2		4.7				37.6				39.0				12.0				96		
T2	5.0	5.2	96.2	92.6	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.7	11.2	104.5	108.3	101	100	101.0	103.1
W2	4.8	4.7	102.1	88.9	37.1	37.2	99.7	98.1	38.3	38.4	99.7	99.7	10.4	10.4	100.0	96.3	107	108	99.1	109.2
X2		6.2				38.0				38.0				10.7				95		
Z2		4.2				37.6				39.1				12.0				98		
A3	5.4	5.6	96.4	100.0	38.2	38.6	99.0	101.0	38.3	38.7	99.0	99.7	10.7	10.7	100.0	99.1	100	98	102.0	102.0
H3	6.3	5.7	110.5	116.7	38.0	37.9	100.3	100.5	38.0	38.8	99.5	100.5	10.6	11.1	95.5	98.1	97	97	100.0	99.0
I3		4.8				38.3				39.6				10.1				94		
O3	4.9	5.1	96.1	90.7	37.5	37.4	100.3	99.2	38.7	38.5	100.5	100.8	11.0	11.1	99.1	101.8	99	100	99.0	101.0
P3	6.4	6.1	104.9	118.5	38.0	38.0	100.0	100.5	38.2	38.2	100.0	99.5	11.2	11.2	100.0	103.7	93	96	96.9	94.9
F4	5.6	5.4	103.7	103.7	38.3	38.3	100.0	101.3	38.4	38.4	100.0	100.0	10.5	10.7	98.1	97.2	97	95	102.1	99.0
I4	5.9	5.6	105.4	109.2	38.4	38.4	100.0	101.6	38.5	38.5	100.0	100.3	10.1	10.4	97.1	93.5	97	98	99.0	99.0
K4		5.3				37.5				38.6				11.2				91		
L4	5.7	5.9	96.6	105.6	38.0	38.1	99.7	100.5	38.1	38.2	99.7	99.2	10.7	10.7	100.0	95.1	106	95	111.6	108.2
N4		5.5				37.3				38.2				11.0				97		
P4	5.7	5.2	109.6	105.6	37.7	37.6	100.3	99.7	38.6	38.7	99.7	100.5	10.5	10.6	99.0	97.2	102	100	102.0	104.1
Q4	5.3	5.2	101.9	98.1	37.3	37.4	99.7	96.7	38.3	38.4	99.7	99.7	10.8	11.1	97.3	100.0	99	99	100.0	101.0
R4		5.5				38.7				38.8				10.6				95		
S4	5.3	5.4	98.1	98.1	38.3	38.2	100.3	101.3	38.4	38.2	100.5	100.0	11.2	11.3	99.1	103.7	109	103	105.8	111.2
FKBG DATA																				
CUR. AV.	5.5				37.8				38.4				10.9				99			
CUM. AV.	5.4				37.8				38.4				10.8				98			
IND. *D	101.8				100.0				100.0				100.9				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1982				AUGUST, 1982				SEPTEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
K1		68.0				68.0				68.0		
L1	60.0	58.5	102.6	92.9	57.0	59.0	96.6	88.8	59.0	58.5	100.8	91.6
M1												
O1												
G1												
S1												
I1												
U1		59.3			61.0	59.3	102.9	95.0	54.0	59.8	90.3	83.8
V1					63.6			99.1	64.9	63.6	102.0	100.8
Y1	67.0	61.3	109.3	103.7	62.0	62.8	98.7	96.6		62.6		
Z1		60.7			63.0	60.7	103.8	98.1	66.0	61.2	107.8	102.5
A2		80.8			84.2	80.8	104.2	131.2	56.7	81.6	69.5	88.0
C2												
Q2												
S2												
T2	59.0	63.7	92.6	91.3	59.0	62.5	94.4	91.9	58.0	61.8	93.8	90.1
W2	69.0	66.0	104.5	106.8	71.0	67.0	106.0	110.6	70.0	68.0	102.9	108.7
X2	57.0			88.2		57.0				57.0		
Z2												
A3		52.0			60.8	52.0	116.9	94.7	65.6	54.9	119.5	101.9
H3												
I3												
O3	59.0	64.7	91.2	91.3	66.0	63.2	104.4	102.8	69.0	63.8	108.2	107.1
P3												
F4	87.0	77.7	112.0	134.7	80.0	80.0	100.0	124.6	77.0	80.0	96.2	119.6
I4	57.2	60.7	94.2	88.5	56.8	59.8	95.0	88.5	47.5	59.2	80.2	73.8
K4												
L4	52.0	54.0	96.3	80.5	54.0	53.5	100.9	84.1	52.0	53.6	97.0	80.7
N4												
P4					71.1			110.7	71.3	71.1	101.0	111.5
Q4												
R4		77.3				77.3				77.3		
S4	62.0	55.0	112.7	96.0	69.0	57.3	120.4	107.5	66.0	60.2	109.6	102.5

FKBG DATA			
CUR. AV.	62.9	65.2	62.7
CUM. AV.	64.6	64.2	64.4
IND. *D	97.4	101.6	97.4

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1		6.7				42.4				42.5				13.1				105		
H1		4.8				40.9				42.2				11.9				114		
I1	4.9	4.8	102.1	87.5	41.7	41.6	100.2	100.2	43.0	42.9	100.2	101.4	11.1	11.2	99.1	93.3	108	108	100.0	102.8
K1		5.8				42.0				42.1				12.9				111		
L1	5.3	5.2	101.9	94.6	41.2	41.2	100.0	99.0	42.3	42.4	99.8	99.8	11.2	10.8	103.7	94.1	105	104	101.0	100.0
M1	4.5	4.5	100.0	80.4	41.7	41.4	100.7	100.2	43.2	42.8	100.9	101.9	11.8	11.5	102.6	99.2	110	104	105.8	104.8
O1	5.1	4.8	106.2	91.1	41.4	41.2	100.5	99.5	42.6	42.5	100.2	100.5	13.0	11.8	110.2	105.2	110	117	94.0	104.8
Q1	5.8	6.0	96.7	103.6	41.5	41.7	99.5	99.8	42.4	42.6	99.5	100.0	11.5	11.8	97.4	96.6	106	102	103.9	101.0
T1	6.0	5.9	101.7	107.1	41.6	41.5	100.2	100.0	42.4	42.4	100.0	100.0	11.8	11.9	99.2	99.2	99	100	99.0	94.3
U1	6.3	6.2	101.6	112.5	41.6	41.6	100.0	100.0	42.3	42.2	100.2	99.8	11.9	11.4	104.4	100.0	113	108	104.6	107.6
V1	5.5	5.6	98.2	98.2	40.3	40.8	98.8	96.9	41.3	41.8	98.8	97.4	12.3	12.3	100.0	103.4	107	106	100.9	101.9
Y1	6.4	6.4	100.0	114.3	41.9	41.7	100.5	100.7	42.5	42.3	100.5	100.2	12.3	12.0	102.5	103.4	112	110	101.8	106.7
Z1	6.2	6.0	103.3	110.7	42.1	42.0	100.2	101.2	42.2	42.1	100.2	99.5					104	102	102.0	99.0
A2	5.9	5.7	103.5	105.4	42.2	42.2	100.0	101.4	42.6	42.6	100.0	100.5	11.5	12.0	95.8	96.6	107	106	100.9	101.9
C2	5.4	6.0	90.0	96.4	41.5	41.5	100.0	99.8	42.6	42.3	100.7	100.5	11.5	11.5	100.0	96.6	102	103	99.0	97.1
I2		6.5				43.0				43.4				12.4				124		
Q2		5.4				41.5				42.5				11.8				109		
S2		5.2				41.4				42.6				13.2				102		
T2	5.5	5.4	101.8	98.2	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	12.7	12.6	100.8	106.7	108	107	100.9	102.8
U2		2.9				40.9				43.1				11.6				108		
V2		6.6				42.0				42.1				11.8				107		
W2	4.7	4.7	100.0	83.9	41.0	41.1	99.8	98.6	42.4	42.5	99.8	100.0	11.9	11.7	101.7	100.0	116	113	102.6	110.5
X2		6.5				41.9				42.0				11.7				106		
Y2	5.4	6.2	87.1	96.4	41.3	41.5	99.5	99.3	42.4	42.2	100.5	100.0	11.6	11.8	98.3	97.5	106	104	101.9	101.0
Z2	5.1	5.2	98.1	91.1	41.3	41.4	99.8	99.3	42.5	42.6	99.8	100.2	13.2	12.3	107.3	110.5	102	102	100.0	97.1
A3		5.6				42.2				42.3				11.9				104		
B3	5.4	5.4	100.0	96.4	41.5	41.3	100.5	99.8	42.6	42.4	100.5	100.5	12.7	13.0	97.7	106.7	102	98	104.1	97.1
D3	4.9	4.1	119.5	87.5	41.3	41.7	99.0	99.3	41.7	42.1	99.0	98.3	12.7	12.9	98.4	106.7	101	101	100.0	96.2
F3		6.0				42.2				42.6				12.4				102		
G3	6.0	6.3	95.2	107.1	42.2	42.2	100.0	101.4	42.3	42.2	100.2	99.8	11.5	11.2	102.7	96.6	105	104	101.0	100.0
H3	5.5	5.6	98.2	98.2	41.9	41.6	100.7	100.7	42.9	42.6	100.7	101.2	12.6	12.2	103.3	105.5	105	105	100.0	100.0
I3	5.3	5.4	98.1	94.6	41.2	41.4	99.5	99.0	42.3	42.4	99.8	99.8	11.2	10.8	103.7	94.1	110	104	105.8	104.8
K3	6.7	6.2	108.1	119.6	41.8	41.7	100.2	100.5	42.3	42.4	99.8	99.8	12.6	12.4	101.6	105.5	99	99	100.0	94.3
O3	5.1	5.4	94.4	91.1	41.3	41.4	99.8	99.3	42.5	42.5	100.0	100.2	12.2	12.3	99.2	102.5	109	107	101.9	103.8
P3	6.1	6.1	100.0	108.9	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	12.3	11.9	103.4	103.4	104	103	101.0	99.0
R3	6.0	5.6	107.1	107.1	42.7	42.8	99.8	102.6	42.8	42.9	99.8	100.9	11.8	12.2	96.7	99.2	119	123	96.7	113.3
F4	5.7	5.5	103.6	101.8	42.4	42.2	100.5	101.9	42.5	42.3	100.5	100.2	11.6	12.0	96.7	97.5	104	104	100.0	99.0
G4		5.2				41.1				42.3				12.7				107		
I4	5.7	5.7	100.0	101.8	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	11.3	11.4	99.1	95.0	106	105	101.0	101.0
K4	5.4	5.4	100.0	96.4	41.4	41.5	99.8	99.5	42.5	42.6	99.8	100.2	12.7	12.3	103.2	106.7	101	101	100.0	96.2
L4		5.9				42.1				42.2				11.5				105		
M4		5.4				41.4				42.5				11.3				110		
N4	5.9	5.9	100.0	105.4	41.4	41.4	100.0	99.5	42.3	42.2	100.2	99.8	12.3	12.0	102.5	103.4	101	101	100.0	96.2
O4	5.7	5.6	101.8	101.8	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	10.8	11.6	93.1	90.8	106	105	101.0	101.0
P4	5.2	5.6	92.8	92.8	41.4	41.4	100.0	99.5	42.6	42.4	100.5	100.5	12.3	11.8	104.2	103.4	107	106	99.1	101.9
Q4	5.3	5.7	93.0	94.6	41.2	41.4	99.5	99.0	42.3	42.4	99.8	99.8	12.5	12.3	101.6	105.0	108	104	103.8	102.8
R4	5.5	5.6	98.2	98.2	42.2	42.4	99.5	101.4	42.3	42.5	99.5	99.8	11.5	11.6	99.1	96.6	103	104	99.0	98.1
S4		5.6				42.1				42.2				12.5				111		
T4	6.6	6.6	100.0	117.8	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	11.4	11.6	98.3	95.8	104	104	100.0	99.0

FKBG DATA

CUR. AV.	5.6			41.6			42.4			12.0			106		
CUM. AV.	5.6			41.6			42.4			11.9			105		
IND. *D	100.0			100.0			100.0			100.8			101.0		

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CLR. AV.	CUM. AV.	FACT. *B	IND. *C
D1		6.7				42.4				42.5				13.1				105		
H1	6.3	4.8	131.2	112.5	41.9	40.9	102.4	100.7	42.6	42.2	100.9	100.5	11.5	11.9	96.6	96.6	116	114	101.8	110.5
I1	4.9	4.8	102.1	87.5	41.7	41.6	100.2	100.2	43.0	42.9	100.2	101.4	11.1	11.2	99.1	93.3	112	108	103.7	106.7
K1		5.8				42.0				42.1				12.9				112		
L1	5.2	5.3	98.1	92.8	41.2	41.2	100.0	99.0	42.4	42.4	100.0	100.0	11.1	10.9	101.8	93.3	104	104	100.0	99.0
M1	4.3	4.5	95.6	76.8	41.6	41.4	100.5	100.0	43.2	42.9	100.7	101.9	12.1	11.5	105.2	101.7	107	105	101.9	101.9
O1	5.2	4.9	106.1	92.8	41.8	41.2	101.4	100.5	43.0	42.6	100.9	101.4	13.3	12.0	110.8	111.8	114	116	98.3	108.6
Q1	5.7	6.0	95.0	101.8	41.7	41.7	100.0	100.2	42.7	42.5	100.5	100.7	11.3	11.8	95.8	95.0	103	102	101.0	98.1
T1	6.0	5.9	101.7	107.1	41.6	41.5	100.2	100.0	42.4	42.4	100.0	100.0	11.9	11.9	100.0	100.0	99	100	99.0	94.3
U1	6.2	6.2	100.0	110.7	41.6	41.6	100.0	100.0	42.3	42.2	100.2	99.8	12.4	11.5	107.8	104.2	106	109	97.2	101.0
V1	5.6	5.6	100.0	100.0	40.6	40.7	99.8	97.6	41.6	41.7	99.8	98.1	12.0	12.3	97.6	100.8	105	107	98.1	100.0
Y1	6.7	6.4	104.7	119.6	41.8	41.7	100.2	100.5	42.3	42.3	100.0	99.8	12.8	12.0	106.7	107.6	107	110	97.3	101.9
Z1	5.9	6.0	98.3	105.4	42.1	42.0	100.2	101.2	42.2	42.1	100.2	99.5					103	102	101.0	98.1
A2	5.9	5.7	103.5	105.4	42.1	42.2	99.8	101.2	42.5	42.6	99.8	100.2	11.7	12.0	97.5	98.3	104	106	98.1	99.0
C2	6.2	5.9	105.1	110.7	41.6	41.5	100.2	100.0	42.3	42.4	99.8	99.8	11.9	11.5	103.5	100.0	99	102	97.0	94.3
Q2	5.0	5.4	92.6	89.3	41.3	41.5	99.5	99.3	42.5	42.5	100.0	100.2	10.6	11.8	89.8	89.1	110	109	100.9	104.8
S2		5.2				41.4				42.6				13.2				102		
T2	5.5	5.5	100.0	98.2	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.8	12.8	12.6	101.6	107.6	108	106	100.0	102.8
V2		6.6				42.0				42.1				11.8				107		
W2	4.7	4.7	100.0	83.9	41.0	41.1	99.8	98.6	42.4	42.5	99.8	100.0	11.7	11.7	100.0	98.3	113	113	100.0	107.6
X2		6.5				41.9				42.0				11.7				106		
Y2	6.0	6.1	98.4	107.1	41.5	41.4	100.2	99.8	42.3	42.2	100.2	99.8	11.7	11.8	99.2	98.3	103	105	98.1	98.1
Z2	5.3	5.1	103.9	94.6	41.5	41.3	100.5	99.8	42.6	42.5	100.2	100.5	12.9	12.3	104.9	106.4	104	102	102.0	99.0
A3	5.6	5.6	100.0	100.0	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.8	11.5	11.9	96.6	96.6	104	104	100.0	99.0
B3	5.3	5.4	98.1	94.6	41.2	41.4	99.5	99.0	42.3	42.4	99.8	99.8	12.8	13.0	98.5	107.6	101	98	103.1	96.2
D3	4.6	4.2	109.5	82.1	41.3	41.7	99.0	99.3	41.7	42.1	99.0	98.3	13.3	12.9	103.1	111.8	101	101	100.0	96.2
G3	6.2	6.2	100.0	110.7	42.1	42.2	99.8	101.2	42.2	42.3	99.8	99.5	11.5	11.3	101.8	96.6	103	104	99.0	98.1
H3	5.7	5.6	101.8	101.8	41.6	41.6	100.0	100.0	42.6	42.6	100.0	100.5	12.7	12.2	104.1	106.7	104	105	99.0	99.0
I3	5.3	5.4	98.1	94.6	41.3	41.4	99.8	99.3	42.4	42.4	100.0	100.0	10.5	10.9	96.3	88.2	106	105	101.0	101.0
M3	6.6	6.3	104.8	117.8	41.8	41.7	100.2	100.5	42.3	42.4	99.8	99.8	12.7	12.4	102.4	106.7	99	99	100.0	94.3
O3	5.1	5.4	94.4	91.1	41.5	41.4	100.2	99.8	42.7	42.5	100.5	100.7	12.1	12.3	98.4	101.7	108	107	100.9	102.8
P3	6.0	6.1	98.4	107.1	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	12.1	12.0	100.8	101.7	104	104	100.0	99.0
W3	5.5	5.7	96.5	98.2	42.6	42.8	99.5	102.4	42.7	42.9	99.5	100.7	11.7	12.1	96.7	98.3	118	122	96.7	112.4
F4	5.2	5.6	92.8	92.8	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.8	11.9	12.0	99.2	100.0	106	104	101.9	101.0
I4	5.7	5.7	100.0	101.8	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	10.9	11.4	95.6	91.6	106	105	102.8	102.8
K4	5.4	5.4	100.0	96.6	41.3	41.5	99.5	99.3	42.4	42.6	99.5	100.0	12.9	12.4	104.0	108.4	101	101	100.0	96.2
L4	6.0	5.9	101.7	107.1	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.3	11.7	11.5	101.7	98.3	103	105	98.1	98.1
M4		5.4				41.4				42.5				11.3				110		
N4	6.0	5.9	101.7	107.1	41.5	41.4	100.2	99.8	42.3	42.3	100.0	99.8	12.1	12.1	100.0	101.7	100	101	99.0	99.2
O4	6.0	5.6	107.1	107.1	42.1	42.0	100.2	101.2	42.3	42.2	100.2	99.8	10.8	11.4	94.7	90.8	106	106	100.0	101.0
P4	5.5	5.5	100.0	98.2	41.4	41.4	100.0	99.5	42.4	42.4	100.0	100.0	12.1	11.8	102.5	101.7	110	107	102.8	104.8
Q4	5.2	5.7	91.2	92.8	41.1	41.4	99.3	98.8	42.3	42.4	99.8	99.8	12.3	12.3	100.0	103.4	108	105	102.8	102.8
R4	5.7	5.6	101.8	101.8	42.4	42.4	100.0	101.9	42.5	42.5	100.0	100.2	11.6	11.6	100.0	97.5	105	104	101.0	100.0
S4		5.6				42.1				42.2				12.5				111		
T4	6.8	6.6	103.0	121.4	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	11.6	11.6	100.0	97.5	104	104	100.0	99.0

FABG DATA												
CUR. AV.	5.6			41.7			42.4			11.9			106			
CUM. AV.	5.6			41.6			42.4			11.9			105			
IND. *D	100.0			100.2			100.0			100.0			101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1		6.7				42.4				42.5				13.1				105		
H1	5.0	5.0	100.0	89.3	40.9	41.0	99.8	98.1	42.1	42.2	99.8	99.3	11.1	11.8	94.1	93.3	112	115	97.4	105.7
I1	4.8	4.9	98.0	85.7	41.6	41.6	100.0	99.8	43.0	42.9	100.2	101.4	11.4	11.1	102.7	95.8	109	109	100.0	102.8
K1		5.7				42.0				42.1				12.7				114		
L1	5.3	5.3	100.0	94.6	41.2	41.2	100.0	98.8	42.3	42.4	99.8	99.8	11.3	11.0	102.7	95.0	104	104	100.0	96.1
M1	3.9	4.4	88.6	69.6	41.4	41.4	100.0	99.3	42.1	42.9	100.5	101.6	12.0	11.4	105.3	100.8	107	105	101.9	100.9
O1		4.9				41.3				42.6				12.2				116		
Q1	6.0	5.9	101.7	107.1	41.5	41.7	99.5	99.5	42.3	42.6	99.3	99.8	12.8	11.7	109.4	107.6	102	102	100.0	96.2
T1	5.9	5.9	100.0	105.4	41.5	41.5	100.0	99.5	42.4	42.4	100.0	100.0	11.8	11.9	99.2	99.2	99	100	99.0	93.4
U1	6.4	6.2	103.2	114.3	41.8	41.6	100.5	100.2	42.4	42.2	100.5	100.0	12.3	11.6	106.0	103.4	105	108	100.9	102.8
V1	5.7	5.6	101.8	101.8	40.6	40.7	99.8	97.4	41.5	41.7	99.5	97.9	12.7	12.3	103.2	106.7	107	107	100.0	100.9
Y1	6.4	6.5	98.5	114.3	41.6	41.7	99.8	99.8	42.2	42.3	99.8	99.5	13.0	12.0	108.3	105.2	111	105	101.8	104.7
Z1	6.1	6.0	101.7	108.9	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					102	102	100.0	96.2
A2	5.8	5.7	101.8	103.6	42.2	42.2	100.0	101.2	42.6	42.6	100.0	100.5	12.0	12.0	100.0	100.8	104	106	98.1	98.1
C2	6.3	6.0	105.0	112.5	41.6	41.5	100.2	99.8	42.3	42.4	99.8	99.8	11.7	11.6	100.9	98.3	99	102	97.0	93.4
G2	5.5	5.3	103.8	98.2	41.6	41.4	100.5	99.8	42.6	42.5	100.2	100.5	11.6	11.4	101.8	97.5	112	110	101.8	105.7
S2	4.6	5.1	90.2	82.1	41.1	41.4	99.3	98.6	42.5	42.6	99.8	100.2	13.5	13.1	103.0	113.4	105	102	102.9	99.0
T2	5.6	5.5	101.8	100.0	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	12.8	12.6	101.6	107.6	110	107	102.8	103.8
V2	6.8	6.6	103.0	121.4	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3	12.1	11.8	102.5	101.7	103	106	97.2	97.2
W2	4.7	4.7	100.0	83.9	41.0	41.0	100.0	98.3	42.4	42.4	100.0	100.0	11.8	11.7	100.8	99.2	115	112	102.7	108.5
X2		6.5				41.9				42.0				11.7				106		
Y2	6.2	6.0	103.3	110.7	41.5	41.4	100.2	99.5	42.2	42.2	100.0	99.5	11.7	11.8	99.2	96.3	105	105	100.0	99.0
Z2	5.4	5.1	105.9	96.4	41.4	41.3	100.2	99.3	42.5	42.5	100.0	100.2	12.8	12.4	103.2	107.6	102	102	100.0	96.2
A3	5.5	5.7	96.5	98.2	42.1	42.2	99.8	101.0	42.2	42.3	99.8	99.5	11.7	11.8	99.2	98.3	106	104	101.9	100.0
B3	5.5	5.4	101.8	98.2	41.5	41.4	100.2	99.5	42.5	42.4	100.2	100.2	13.2	13.0	101.5	110.9	100	99	101.0	94.3
D3	4.5	4.2	107.1	80.4	41.2	41.6	99.0	98.8	41.6	42.0	99.0	98.1	12.8	12.9	99.2	107.6	101	100	101.0	95.3
G3	6.2	6.2	100.0	110.7	42.1	42.2	99.8	101.0	42.2	42.3	99.8	99.5	11.5	11.3	101.8	96.6	106	104	101.9	100.0
H3	5.9	5.6	105.4	105.4	41.5	41.6	99.8	99.5	42.4	42.6	99.5	100.0	12.1	12.3	98.4	101.7	105	105	100.0	99.0
I3	5.3	5.4	98.1	94.6	41.3	41.4	99.8	99.0	42.4	42.4	100.0	100.0	10.9	10.9	99.1	90.8	106	105	101.0	100.0
M3	6.6	6.3	104.8	117.8	41.7	41.7	100.0	100.0	42.2	42.4	99.5	99.5	12.5	12.5	100.0	105.0	98	99	99.0	92.6
O3	4.9	5.3	92.4	87.5	41.3	41.4	99.8	99.0	42.6	42.5	100.2	100.5	12.1	12.3	98.4	101.7	108	108	100.0	101.9
P3	6.6	6.1	108.2	117.8	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	12.0	12.0	100.0	100.8	103	104	99.0	97.2
W3	5.1	5.6	91.1	91.1	42.4	42.8	99.1	101.7	42.5	42.8	99.3	100.2	12.0	12.1	99.2	100.8	118	122	96.7	111.3
F4		5.5				42.2				42.3				12.0				104		
I4	5.5	5.7	96.5	98.2	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.3	11.4	99.1	99.0	107	105	101.9	100.9
K4	5.7	5.4	105.6	101.8	41.4	41.4	100.0	99.3	42.4	42.5	99.8	100.0	12.8	12.4	103.2	107.6	102	101	101.0	96.2
L4	6.0	5.9	101.7	107.1	42.0	42.1	99.8	100.7	42.1	42.2	99.8	99.3	12.0	11.5	104.3	100.8	104	104	100.0	98.1
M4		5.5				41.5				42.6				11.4				111		
N4	6.0	5.9	101.7	107.1	41.5	41.4	100.2	99.5	42.3	42.2	100.2	99.8	12.1	12.1	100.0	101.7	100	101	99.0	94.3
O4	5.7	5.7	100.0	101.8	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	10.6	11.3	93.8	85.1	105	106	99.0	99.0
P4	5.7	5.5	103.6	101.8	41.4	41.4	100.0	99.3	42.4	42.4	100.0	100.0	11.7	11.8	99.2	98.3	114	108	105.6	107.5
Q4	5.5	5.6	98.2	98.2	41.3	41.4	99.8	99.0	42.3	42.4	99.8	99.8	12.1	12.3	98.4	101.7	108	105	102.8	101.9
R4	5.6	5.6	100.0	100.0	42.4	42.4	100.0	101.7	42.5	42.5	100.0	100.2	11.3	11.6	97.4	95.0	104	104	100.0	98.1
S4	5.4	5.6	96.4	96.4	42.3	42.2	100.2	101.4	42.4	42.2	100.5	100.0	12.3	12.5	98.4	103.4	111	112	99.1	104.7
T4	6.3	6.6	95.4	112.5	42.2	42.0	100.5	101.2	42.3	42.1	100.5	99.8	11.0	11.6	94.8	92.4	103	104	99.0	97.2
FKBG DATA																				
CUR. AV.	5.6				41.6				42.3				12.0				106			
CUM. AV.	5.6				41.7				42.4				11.9				106			
IND. *D	100.0				99.8				99.8				100.8				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1982				AUGUST, 1982				SEPTEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1												
H1		78.7			78.0	78.7	99.1	110.5	80.0	78.5	101.9	112.5
I1	64.0	72.0	88.9	90.3	74.0	70.0	105.7	104.8	80.0	70.8	113.0	112.5
K1		77.0				77.0				77.0		
L1	65.0	63.3	102.7	91.7	65.0	63.8	101.9	92.1	64.0	64.0	100.0	90.0
M1												
O1	63.0	74.3	84.8	88.8	73.0	71.5	102.1	103.4		71.8		
Q1												
T1												
U1	57.0	65.3	87.3	80.4	67.0	63.2	106.0	94.9	67.0	64.0	104.7	94.2
V1	72.3	67.6	107.0	102.0	78.5	69.2	113.4	111.2	80.0	71.5	111.9	112.5
Y1	73.0	77.0	94.8	103.0	70.0	76.0	92.1	99.2	58.0	74.8	77.5	81.6
Z1		69.3			68.0	69.3	98.1	98.3	75.0	69.0	108.7	105.5
A2	90.0	85.8	104.9	126.5	82.6	86.8	95.2	117.0	73.3	86.0	85.2	103.1
C2												
I2												
Q2					74.3			105.2	74.9	74.3	100.8	105.3
S2												
T2	63.0	69.3	90.9	88.8	66.0	67.8	97.3	93.5	67.0	67.4	99.4	94.2
U2												
V2												
W2	74.0	72.0	102.8	104.4	74.0	72.5	102.1	104.8	75.0	72.8	103.0	105.5
X2												
Y2												
Z2												
A3		62.5			67.3	62.5	107.7	95.3	72.7	63.7	114.1	102.2
B3	59.0	54.3	108.6	83.2	60.0	55.5	108.1	85.0	57.0	56.4	101.1	80.2
D3	56.0	59.7	93.8	79.0	57.0	58.8	96.9	80.7	62.0	58.4	106.2	87.2
F3												
G3	69.0	67.3	102.5	97.3	68.0	67.8	100.3	96.3	69.0	67.8	101.8	97.0
H3												
I3	62.0	63.7	97.3	87.4	63.0	63.2	99.7	89.2	61.0	63.2	96.5	85.8
M3												
O3	70.0	73.7	95.0	98.7	76.0	72.8	104.4	107.6	81.0	73.4	110.4	113.9
P3												
W3	70.0	73.7	95.0	98.7	75.0	72.8	103.0	106.2	81.0	73.2	110.6	113.9
F4	97.0	93.0	93.5	122.7	104.0	91.0	114.3	147.3		94.2		
G4												
I4	67.1	67.1	100.0	94.6	66.5	67.1	99.1	94.2	48.7	67.0	72.7	68.5
K4												
L4		64.7			63.0	64.7	97.4	89.2	67.0	64.2	104.4	94.2
M4												
N4												
O4												
P4					88.2			124.9	83.9	88.2	95.1	118.0
Q4												
R4	98.0	90.3	108.5	138.2	96.0	92.2	104.1	136.0	90.0	93.0	96.8	126.6
S4		62.5				62.5			67.0	62.5	107.2	94.2
T4												
FKBG DATA												
CUR. AV.	70.0				73.1				71.1			
CUM. AV.	70.5				70.6				71.1			
IND. *D	98.7				103.5				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1		4.9				67.1				69.2				20.0				153		
I1	6.7	7.0	95.7	108.1	68.3	68.4	99.8	99.6	69.1	69.0	100.1	99.4	18.0	18.1	99.4	92.3	148	145	102.1	104.2
K1		6.0				68.9				69.1				21.1				148		
M1	5.2	5.0	104.0	83.9	69.4	68.2	101.8	101.2	71.3	70.3	101.4	102.6	20.6	19.0	108.4	105.6	144	140	102.8	101.4
N1	6.2	6.4	96.9	100.0	69.2	69.3	99.8	100.9	69.8	69.9	99.8	100.4	18.8	19.3	97.4	96.4	146	146	100.0	102.8
O1		5.8				68.0				69.5				19.5				145		
P1		6.2				70.0				70.6				18.3				149		
Q1	7.0	6.9	101.4	112.9	69.3	68.9	100.6	101.0	69.9	69.6	100.4	100.6	18.8	19.1	98.4	96.4	140	138	101.4	98.6
U1	7.7	6.8	113.2	124.2	69.3	68.7	100.9	101.0	69.4	69.5	99.8	99.8	19.6	19.0	103.2	100.5	142	151	94.0	100.0
V1	5.6	6.0	93.3	90.3	66.8	67.4	99.1	97.4	68.4	68.7	99.6	98.4	21.8	21.2	102.8	111.8	141	138	102.2	99.3
Y1		7.0				69.0				69.6				19.6				140		
Z1		6.0				69.0				69.2								139		
A2		5.6				69.5				70.1				20.9				138		
B2	6.4	6.5	98.5	103.2	67.8	68.1	99.6	98.8	68.8	69.0	99.7	99.0	19.7	19.4	101.5	101.0	137	140	97.8	96.5
C2	6.8	6.8	100.0	109.7	68.8	68.7	100.1	100.3	69.6	69.4	100.3	100.1	19.8	19.4	102.1	101.5	138	138	100.0	97.2
I2		6.7				68.9				69.5				17.8				182		
G2	6.0	6.1	98.4	96.8	68.5	68.5	100.0	99.8	69.9	69.7	100.3	100.6	19.6	20.2	97.0	100.5	137	141	97.2	96.5
T2	6.0	5.8	103.4	96.8	69.2	69.3	99.8	100.9	69.4	69.5	99.8	99.8	20.7	20.5	101.0	106.2	142	140	101.4	100.0
U2		3.8				67.5				70.4				19.5				146		
Z2		6.0				68.2				69.6				19.7				139		
A3	6.6	6.7	98.5	106.6	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.7	16.8	18.3	91.8	86.2	147	142	103.5	103.5
C3	6.1	5.5	110.9	98.4	68.3	68.4	99.8	99.6	69.5	70.1	99.1	100.0	19.0	19.0	100.0	97.4	140	145	96.6	98.6
D3	5.3	4.9	108.2	85.5	68.1	67.8	100.4	99.3	68.7	68.4	100.4	98.8	20.5	21.1	97.2	105.1	146	144	101.4	102.8
G3	7.0	7.3	95.9	112.9	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.7	19.6	19.2	102.1	100.5	140	139	100.7	98.6
H3	6.1	5.9	103.4	98.4	68.5	68.5	100.0	99.8	69.7	69.9	99.7	100.3	21.8	21.0	103.8	111.8	137	137	100.0	96.5
I3	6.1	5.9	103.4	98.4	68.2	68.0	100.3	99.4	69.4	69.4	100.0	99.8	17.5	17.6	99.4	99.7	141	139	101.4	99.3
M3	7.6	7.2	105.6	122.6	69.3	69.2	100.1	101.0	69.4	69.6	99.7	99.8	19.3	19.3	100.0	99.0	138	138	100.0	97.2
W3	6.4	6.2	103.2	103.2	69.2	69.7	99.3	100.9	69.4	69.9	99.3	99.8	19.4	19.3	100.5	99.5	153	155	98.2	107.7
I4	6.5	6.4	101.6	104.8	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.6	17.8	18.0	98.9	91.3	151	147	102.7	106.3
H4		5.9				68.6				70.0				19.7				142		
N4		6.5				68.5				69.5				19.3				135		
O4		6.0				69.1				69.4				19.8				141		
P4	5.6	6.1	91.8	90.3	68.2	68.2	100.0	99.4	69.8	69.5	100.4	100.4	19.9	19.7	101.0	102.0	139	140	99.3	97.9
Q4	5.3	6.2	85.5	85.5	67.6	68.3	98.7	98.2	69.2	69.5	99.6	99.6	20.4	20.4	100.0	104.6	142	139	102.2	100.0
R4	6.2	5.9	105.1	100.0	68.7	69.4	99.0	100.1	68.9	69.6	99.0	99.1	19.3	19.4	97.9	97.4	135	137	98.5	95.1
FRBG DATA																				
CUR. AV.	6.3				68.6				69.4				19.5				142			
CUM. AV.	6.2				68.6				69.5				19.5				142			
IND. *D	101.6				100.0				99.8				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1		4.9				67.0				69.2				20.0				153		
I1	7.0	6.9	101.4	112.9	68.3	68.4	99.8	99.6	68.9	69.0	99.8	99.1	18.4	18.0	102.2	94.4	146	146	100.0	102.8
K1		6.0				68.9				69.1				21.0				148		
M1	4.7	5.0	94.0	75.8	68.7	68.3	100.6	100.1	71.0	70.4	100.8	102.2	19.9	19.0	104.7	102.0	143	140	102.1	100.7
N1	6.4	6.4	100.0	103.2	69.1	69.3	99.7	100.7	69.7	69.9	99.7	100.3	19.4	19.2	101.0	99.5	144	146	98.6	101.4
O1	5.9	5.7	103.5	95.2	68.1	68.0	100.1	99.3	69.5	69.5	100.0	100.0	19.1	19.6	97.4	97.9	145	145	100.0	102.1
Q1	7.0	6.9	101.4	112.9	69.0	69.0	100.0	100.6	69.6	69.7	99.8	100.1	19.7	19.1	103.1	101.0	141	138	102.2	99.3
U1	6.8	6.8	100.0	109.7	68.8	68.7	100.1	100.3	69.6	69.5	100.1	100.1	19.9	19.2	103.6	102.0	142	150	94.7	100.0
V1	6.2	6.0	103.3	100.0	66.6	67.4	98.8	97.1	67.7	68.7	98.5	97.4	21.7	21.3	101.9	111.3	137	139	98.6	96.5
Y1	6.7	7.0	95.7	108.1	68.6	69.0	99.4	100.0	69.4	69.6	99.7	99.8	20.6	19.6	105.1	105.6	140	140	100.0	98.6
Z1		6.0				69.0				69.2								139		
A2		5.6				69.5				70.1				20.9				138		
B2	6.4	6.5	98.5	103.2	67.8	68.0	99.7	96.8	68.8	69.0	99.7	99.0	19.1	19.4	98.4	97.9	138	140	98.6	97.2
C2	6.5	6.8	101.5	111.3	68.8	68.7	100.1	100.3	69.5	69.4	100.1	100.0	20.1	19.4	103.6	103.1	136	138	98.6	95.8
Q2	5.8	6.1	95.1	93.5	68.0	68.5	99.3	99.1	69.5	69.8	99.6	100.0	19.1	20.1	95.0	97.9	138	140	98.6	97.2
I2	5.7	5.8	98.3	91.9	69.2	69.3	99.8	100.9	69.4	69.5	99.8	99.8	21.3	20.5	103.9	105.2	139	140	99.3	97.9
Y2	6.3			101.6	68.4			99.7	69.5			100.0	19.6			100.5	132			93.0
Z2		6.0				68.2				69.6				19.7				139		
A3	7.0	6.7	104.5	112.9	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.7	18.0	18.2	98.9	92.3	142	143	99.3	100.0
C3	6.0	5.6	107.1	96.3	69.1	68.4	101.0	100.7	70.5	70.1	100.6	101.4	19.6	19.0	103.2	100.5	141	145	97.2	99.3
D3	5.4	5.0	108.0	87.1	67.3	67.9	99.1	98.1	67.9	68.5	99.1	97.7	21.4	21.1	101.4	105.7	146	144	101.4	102.8
G3	7.1	7.2	98.6	114.5	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.7	19.7	19.3	102.1	101.0	137	139	98.6	96.5
H3	6.3	6.0	105.0	101.6	68.3	68.4	99.8	99.6	69.4	69.8	99.4	99.8	22.3	21.0	106.2	114.4	137	137	100.0	96.5
I3	6.3	5.9	106.8	101.6	68.3	68.1	100.3	99.6	69.4	69.4	100.0	99.8	17.7	17.6	100.6	90.8	139	139	100.0	97.9
M3	7.6	7.2	105.6	122.6	69.6	69.2	100.6	101.4	69.7	69.6	100.1	100.3	19.4	19.3	100.5	99.5	137	138	99.3	96.5
N3	6.6	6.2	106.4	106.4	69.5	69.6	99.8	101.3	69.7	69.8	99.8	100.3	19.3	19.3	100.0	99.0	167	158	105.7	117.6
I4	6.0	6.4	93.8	96.8	69.1	69.0	100.1	100.7	69.3	69.2	100.1	99.7	18.3	18.0	101.7	93.8	161	148	108.8	113.4
M4		5.9				68.6				70.0				19.7				142		
N4		6.5				68.6				69.5				19.9				135		
O4		6.0				69.1				69.4				19.8				141		
P4	5.5	6.0	91.7	88.7	67.9	68.2	99.6	99.0	69.6	69.6	100.0	100.1	21.1	19.8	106.6	108.2	147	140	105.0	103.5
Q4	5.6	6.0	93.3	90.3	69.2	68.2	101.5	100.9	70.9	69.5	102.0	102.0	20.4	20.4	100.0	104.6	144	139	103.6	101.4
R4	6.3	6.0	105.0	101.6	69.1	69.4	99.6	100.7	69.3	69.6	99.6	99.7	19.1	19.4	98.4	97.9	138	137	100.7	97.2
FRBG DATA																				
CUR. AV.	6.3				68.6				69.4				19.8				142			
CUM. AV.	6.2				68.6				69.5				19.5				142			
IND. *D	101.6				100.0				99.8				101.5				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1		4.9				67.1				69.2				20.0				153		
I1	6.8	7.0	97.1	109.7	68.3	68.4	99.8	99.6	69.1	69.0	100.1	99.6	18.5	18.0	102.8	94.4	149	146	102.0	104.9
K1		6.0				68.9				69.1				20.7				150		
M1	4.8	4.9	98.0	77.4	68.8	68.3	100.7	100.3	71.1	70.4	101.0	102.4	19.8	19.0	104.2	101.0	140	140	100.0	98.6
N1	6.4	6.3	101.6	103.2	69.1	69.3	99.7	100.7	69.7	69.9	99.7	100.4	19.6	19.2	102.1	100.0	142	146	97.3	100.0
O1		5.7				68.0				69.5				19.6				146		
Q1	7.1	6.9	102.9	114.5	68.9	69.0	99.8	100.4	69.5	69.7	99.7	100.1	20.9	19.2	108.8	106.6	142	138	102.9	100.0
U1	7.0	6.8	102.9	112.9	68.8	68.8	100.0	100.3	69.4	69.5	99.8	100.0	20.4	19.3	105.7	104.1	143	148	96.6	100.7
V1	6.2	6.0	103.3	100.0	67.3	67.3	100.0	98.1	68.4	68.6	99.7	98.6	21.7	21.4	101.4	110.7	141	139	101.4	99.3
Y1		7.0				69.1				69.6				19.8				140		
Z1	6.1	6.0	101.7	98.4	68.7	69.0	99.6	100.1	68.9	69.2	99.6	99.3					134	139	96.4	94.4
A2		5.5				69.5				70.1				21.2				138		
B2	6.3	6.5	96.9	101.6	68.4	68.0	100.6	99.7	69.5	69.0	100.7	100.1	19.1	19.4	98.4	97.4	143	140	102.1	100.7
C2		6.8				68.7				69.4				19.5				138		
W2	6.1	6.0	101.7	98.4	68.4	68.4	100.0	99.7	69.6	69.8	99.7	100.3	20.1	19.9	101.0	102.6	143	141	101.4	100.7
T2	5.7	5.8	98.3	91.9	69.2	69.3	99.8	100.9	69.4	69.5	99.8	100.0	20.5	20.6	99.5	104.6	142	140	101.4	100.0
Y2		5.3				68.4				69.5				19.6				132		
Z2		6.0				68.2				69.6				19.7				139		
A3	6.8	6.8	100.0	105.7	68.7	69.2	99.3	100.1	68.9	69.4	99.3	99.3	18.3	18.1	101.1	93.4	146	144	101.4	102.8
C3	6.3	5.7	110.5	101.6	68.2	68.4	99.7	99.4	69.3	70.0	99.0	99.8	18.9	19.1	99.0	96.4	142	145	97.9	100.0
D3	5.2	5.0	104.0	83.9	67.7	67.8	99.8	98.7	68.3	68.4	99.8	98.4	21.3	21.1	100.9	108.7	143	144	99.3	100.7
G3	7.1	7.2	98.6	114.5	69.1	69.1	100.0	100.7	69.3	69.3	100.0	99.8	19.6	19.4	101.0	100.0	137	139	98.6	96.5
H3	6.1	6.0	101.7	98.4	68.4	68.4	100.0	99.7	69.6	69.7	99.8	100.3	21.2	21.2	100.0	108.2	137	137	100.0	96.5
I3	6.2	6.0	103.3	100.0	68.1	68.1	100.0	99.3	69.3	69.4	99.8	99.8	17.6	17.7	99.4	89.8	137	139	98.6	96.5
M3	7.6	7.3	104.1	122.6	69.4	69.3	100.1	101.2	69.5	69.6	99.8	100.1	19.1	19.3	99.0	97.4	138	138	100.0	97.2
N3	6.4	6.3	101.6	103.2	69.2	69.6	99.4	100.9	69.4	69.8	99.4	100.0	19.2	19.3	99.5	98.0	163	159	102.5	114.8
I4	6.3	6.3	100.0	101.6	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.4	18.1	101.6	93.9	138	149	92.6	97.2
M4		6.1				68.7				69.9				20.3				143		
N4		6.6				68.6				69.5				19.9				135		
O4	6.5	6.0	108.3	104.8	69.1	69.1	100.0	100.7	69.4	69.4	100.0	100.0	19.4	20.0	97.0	99.0	138	142	97.2	97.2
P4	6.4	5.9	108.5	103.2	68.6	68.1	100.7	100.0	69.6	69.6	100.0	100.3	19.0	20.0	95.0	96.9	143	141	101.4	100.7
Q4	6.4	5.9	108.5	103.2	68.4	68.2	100.3	99.7	69.4	69.6	99.7	100.0	20.2	20.4	99.0	103.1	143	140	102.1	100.7
R4	5.6	6.0	93.3	90.3	69.2	69.4	99.7	100.9	69.4	69.6	99.7	100.0	19.1	19.3	99.0	97.4	137	138	99.3	96.5
T4	6.2			100.0	69.0			100.6	69.2			99.7	19.5			99.5	136			95.8
FRBG DATA																				
CUR. AV.	6.3				68.7				69.4				19.6				142			
CUM. AV.	6.2				68.6				69.4				19.6				142			
IND. *D	101.6				100.1				100.0				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1982				AUGUST, 1982				SEPTEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1		125.0				125.0				125.0		
I1	119.0	120.0	99.2	101.1	131.0	119.8	109.3	111.6	142.0	122.0	116.4	120.3
K1		125.3				125.3				125.3		
M1												
N1	136.0	125.5	108.4	115.5	136.0	128.2	106.1	115.8	126.1	129.7	97.2	106.9
O1		118.0			127.0	118.0	107.6	108.2		120.2		
P1												
Q1												
U1	106.0	114.3	92.7	90.0	103.0	112.2	91.8	87.7	105.0	110.4	95.1	89.0
V1	111.0	111.0	100.0	94.3	130.5	111.0	117.6	111.2		117.5		
Y1		139.7			128.0	139.7	91.6	109.0		136.8		
Z1		124.0				124.0				124.0		
A2												
B2												
C2												
I2												
Q2									122.8			104.1
T2	105.0	108.7	96.6	89.2	104.0	107.8	96.5	88.6	108.0	107.0	100.9	91.5
U2												
Y2												
Z2												
A3	109.3	104.0	105.1	92.5	105.3	105.3	100.0	85.7	109.4	105.3	103.9	92.7
C3	138.0	109.0	126.6	117.2		123.5				123.5		
O3	96.0	95.0	101.0	81.6	98.0	95.2	102.9	83.5	94.0	95.8	98.1	79.7
G3	126.0	122.7	102.7	107.0	127.0	123.5	102.8	108.2	126.0	124.2	101.4	106.8
H3												
I3	106.0	107.3	98.8	90.0	113.0	107.0	105.6	96.2	111.0	108.2	102.6	94.1
M3												
W3	106.0	107.0	99.1	90.0	121.0	106.8	113.3	103.1	121.0	109.6	110.4	102.5
I4	114.1	110.5	103.2	96.9	119.3	111.7	106.8	101.6	110.3	113.6	97.1	93.5
M4												
N4												
O4												
P4									119.8			101.5
Q4												
R4	140.0	140.7	99.5	118.9	143.0	140.5	101.8	121.8	149.0	141.0	105.7	126.3
T4												

FKBG DATA			
CUR. AV.	116.3	120.4	118.8
CUM. AV.	117.7	117.4	118.0
IND. *D	98.8	102.6	100.7

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1		5.1				87.8				90.4				26.6				175		
I1	7.0	7.1	98.6	109.4	89.1	89.5	99.6	99.4	89.9	90.1	99.8	99.2	22.7	23.6	96.2	88.7	182	173	105.2	107.0
K1		6.2				89.7				90.0				27.9				180		
N1		6.4				90.4				91.2				26.0				172		
O1		6.0				88.8				90.6				25.4				166		
P1		6.3				89.8				90.6				25.7				163		
U1	6.8	7.2	94.4	106.2	89.3	89.7	99.6	99.7	90.3	90.3	100.0	99.7	25.5	24.2	105.4	99.6	178	182	97.8	104.7
B2	6.6	6.5	101.5	103.1	88.8	88.7	100.1	99.1	90.0	90.0	100.0	99.3	24.8	26.0	95.4	96.9	178	177	100.6	104.7
Q2		5.9				89.5				91.4				25.9				169		
I2	5.5	6.1	90.2	85.9	90.2	90.2	100.0	100.7	90.5	90.5	100.0	99.9	27.7	27.1	102.2	108.2	166	164	101.2	97.6
Z2	6.3	6.0	105.0	98.4	89.8	89.3	100.6	100.2	91.2	91.1	100.1	100.7	26.8	26.7	100.4	104.7	179	167	107.2	105.3
A3		6.5				90.3				90.6				24.3				171		
C3	6.2	6.0	103.3	96.9	89.4	89.3	100.1	99.8	90.9	91.1	99.8	100.3	25.0	24.6	101.6	97.6	157	161	97.5	92.4
H3	6.9	6.5	106.2	107.8	89.5	89.6	99.9	99.5	90.4	90.9	99.4	99.8	27.5	26.5	103.8	107.4	174	164	106.1	102.4
I3	5.6	6.1	91.8	87.5	87.0	88.8	98.0	97.1	89.1	90.5	98.4	98.3	24.6	23.8	103.4	96.1	175	166	105.4	102.9
W3	6.6	6.7	98.5	103.1	90.6	91.0	99.6	101.1	90.9	91.3	99.6	100.3	25.4	25.3	100.4	99.2	181	179	101.1	106.5
I4	5.7	5.9	96.6	89.1	90.8	89.8	101.1	101.3	91.1	90.1	101.1	100.6	24.7			96.5	176	170	103.5	103.5
M4		7.9				88.9				88.8				26.4				159		
O4		5.8				90.5				91.0				25.6				169		
Q4		6.6				89.6				90.7				27.0				167		

FKBG DATA																
CUR. AV.	6.3				89.4				90.4				25.5				175			
CUM. AV.	6.4				89.6				90.6				25.6				170			
IND. *D	98.4				99.8				99.8				99.6				102.9			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1		5.1				87.8				90.4				26.6				175		
I1	7.0	7.1	98.6	109.4	89.6	89.5	100.1	100.1	90.4	90.2	100.2	99.8	23.5	23.4	100.4	92.2	181	174	104.0	105.8
K1		6.2				89.6				89.9				27.9				182		
N1		6.4				90.4				91.2				26.0				172		
U1	7.1	7.2	98.6	110.9	89.8	89.7	100.1	100.3	90.5	90.3	100.2	99.9	24.9	24.3	102.5	97.6	172	182	94.5	100.6
B2	6.6	6.5	101.5	103.1	89.0	88.8	100.2	99.4	90.2	90.0	100.2	99.6	25.8	25.9	99.6	101.2	175	177	101.1	104.7
Q2		5.9				89.5				91.4				25.9				169		
T2		6.0				90.2				90.5				27.2				164		
Z2		6.0				89.4				91.1				26.7				168		
A3	6.9	6.5	106.2	107.8	89.6	90.4	99.1	100.1	89.9	90.7	99.1	99.2	25.2	24.3	103.7	98.8	168	172	97.7	98.2
C3	5.9	6.0	98.3	92.2	90.1	89.3	100.9	100.7	92.0	91.1	101.0	101.5	25.7	24.7	104.0	100.8	157	160	98.1	91.8
H3	7.2	6.6	109.1	112.5	89.7	89.6	100.1	100.2	90.3	90.8	99.4	99.7	28.2	26.5	106.4	110.6	162	165	98.2	94.7
I3	5.9	6.0	98.3	92.2	88.8	88.7	100.1	99.2	90.7	90.4	100.3	100.1	24.2	23.8	101.7	94.9	168	168	100.0	98.2
M3	6.8	6.7	101.5	106.2	91.0	90.9	100.1	101.7	91.3	91.2	100.1	100.8	25.4	25.3	100.4	99.6	186	179	103.9	108.8
I4		5.8				90.3				90.6				24.7				173		
Q4	6.2	6.7	92.5	96.9	89.6	89.6	100.0	100.1	91.1	90.7	100.4	100.6	27.2	27.0	100.7	106.7	169	168	100.6	98.8
FKBG DATA																				
CUR. AV.	6.6				89.7				90.7				25.6				171			
CUM. AV.	6.4				89.5				90.6				25.5				171			
IND. *D	103.1				100.2				100.1				100.4				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1		5.1				87.8				90.4				26.6				175		
I1	7.0	7.1	98.6	109.4	89.6	89.5	100.1	100.0	90.4	90.2	100.2	99.8	23.3	23.4	99.6	91.4	185	175	105.7	107.6
K1		6.2				89.5				89.8				27.6				183		
N1		6.4				90.4				91.2				25.9				172		
U1	7.3	7.2	101.4	114.1	89.8	89.7	100.1	100.2	90.2	90.3	99.9	99.6	25.8	24.4	105.7	101.2	175	181	96.7	101.7
B2	6.3	6.5	96.9	98.4	89.3	88.8	100.6	99.7	90.7	90.0	100.8	100.1	25.9	25.8	100.4	101.6	176	178	98.9	102.3
G2		5.9				89.5				91.4				25.9				169		
I2	6.0	6.1	98.4	93.8	90.2	90.2	100.0	100.7	90.5	90.5	100.0	99.9	28.0	27.2	102.9	105.8	165	164	100.6	95.9
Z2	6.7	6.0	111.7	104.7	90.0	89.4	100.7	100.4	91.1	91.1	100.0	100.6	27.1	26.7	101.5	106.3	165	168	98.2	95.9
A3	7.0	6.5	107.7	109.4	90.0	90.4	99.6	100.4	90.3	90.7	99.6	99.7	24.0	24.2	99.2	94.1	165	173	95.4	95.9
C3	6.1	6.0	101.7	95.3	89.7	89.4	100.3	100.1	91.3	91.1	100.2	100.8	25.3	24.8	102.0	99.2	157	160	98.1	91.3
H3	6.2	6.6	93.9	96.9	89.6	89.6	100.0	100.0	91.1	90.7	100.4	100.6	26.9	26.6	101.1	105.5	167	165	101.2	97.1
I3	6.0	6.0	100.0	93.8	89.3	88.7	100.7	99.7	91.1	90.4	100.8	100.6	24.2	23.8	101.7	94.9	168	168	100.0	97.7
W3	6.9	6.7	103.0	107.8	91.6	90.9	100.8	102.2	91.9	91.2	100.8	101.4	24.5	25.3	96.8	96.1	185	180	105.0	105.9
I4		5.8				90.3				90.6				24.7				173		
Q4	6.8	6.6	103.0	106.2	89.7	89.6	100.1	100.1	90.7	90.8	99.9	100.1	27.2	27.1	100.4	106.7	171	168	101.8	99.4

FKBG DATA

CUR. AV.	6.6	89.9	90.8	25.6	171
CUM. AV.	6.4	89.6	90.6	25.5	172
IND. *D	103.1	100.3	100.2	100.4	99.4

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	JULY, 1982				AUGUST, 1982				SEPTEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
H1		169.5				169.5				169.5		
I1	165.0	163.3	101.0	107.2	180.0	163.8	109.5	117.7	195.0	167.0	116.8	126.8
K1		160.3				160.3				160.3		
N1		159.7				159.7				159.7		
O1												
P1												
U1	140.0	138.0	101.4	91.0	134.0	138.5	96.8	87.6	132.0	137.6	95.9	85.8
B2												
Q2												
I2	137.0	150.5	91.0	89.0		146.0			140.0	146.0	95.9	91.0
Z2												
A3		147.1			154.7	147.1	105.2	101.2	158.3	149.0	106.2	102.9
C3	177.0	197.0	89.8	115.0		187.0				187.0		
H3												
I3	139.0	145.7	95.4	90.3	164.0	144.0	113.9	107.2	163.0	148.0	110.1	106.0
W3	143.0	140.7	101.6	92.9	156.0	141.2	110.5	102.0	159.0	144.2	110.3	103.6
I4	146.7			95.3		146.7				146.7		
H4												
O4												
Q4												
FKBG DATA												
CUR. AV.	149.7				157.7				157.9			
CUM. AV.	153.9				152.9				153.8			
IND. *D	97.3				103.1				102.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified month, or (b) produced 500 tons of the pertinent grade weight during any one or more of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE XXV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

JULY, AUGUST, SEPTEMBER, 1982

Code	Conditioning Environment: Are Quality Samples Conditioned Before Testing?	Procedure: Time	Temp., °F	RH, %	Testing Environment: Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
D1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
G1	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
H1	No	--	--	--	Yes: 73°F; 50% RH
I1	No	--	--	--	No
K1	No data submitted for this quarter				
L1	Yes	10 min	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
M1	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
N1	No	--	--	--	No
O1	No	--	--	--	Yes: 73°F; 50% RH
Q1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
S1	No data submitted for this quarter				
T1	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
U1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
V1	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
Y1	No	--	--	--	Yes: 73°F; 50% RH
Z1	No	--	--	--	No
A2	No	--	--	--	No
B2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
C2	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
Q2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
R2	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
S2	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
T2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
V2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
W2	No	--	--	--	Yes: 73°F; 50% RH
X2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Y2	No	--	--	--	No
Z2	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
A3	Yes	7 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B3	Yes	20 min	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
C3	No	--	--	--	No
D3	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
E3	No data submitted for this quarter				
G3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
H3	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
I3	Yes	10 min	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
K3	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
M3	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
O3	No	--	--	--	No
P3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
W3	No	--	--	--	Yes: 73°F; 50% RH
F4	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
I4	No	--	--	--	No
K4	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
L4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
M4	No data submitted for this quarter				
N4	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
O4	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
P4	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
Q4	No	--	--	--	No
R4	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
S4	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
T4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
V4	No	--	--	--	No

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APPENDIX

NOTES A, B, C, AND D, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, and D, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of a specific grade weight of linerboard.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$ABW = RBW \left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)} \right]$$

Note B: Machine factor (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative machine average}} \right] \cdot 100$ where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 12 months exluding CMA for current month}}{12}$$

Note C: Machine index (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) $= \left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

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[a] CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

[b] CFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given month.